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NEWS	6	DEC 01	LISA now available on STN
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NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
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NEWS	21	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	22	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	23	MAR 02	GBFULL: New full-text patent database on STN
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NEWS EXPRESS	JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
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NEWS INTER	General Internet Information
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NEWS WWW	CAS World Wide Web Site (general information)

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Mar 4, 2005 (20050304/UP).

=> FIL HOME

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	0.27

FILE 'HOME' ENTERED AT 13:27:00 ON 10 MAR 2005

=> file caplus reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.48

FILE 'CAPLUS' ENTERED AT 13:27:11 ON 10 MAR 2005
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=> s 000064-02-8/RN
L1 0 000064-02-8/RN

=> s EDTA sodium or edetate sodium or tetrasodium edetate
L2 444 EDTA SODIUM OR EDETATE SODIUM OR TETRASODIUM EDETATE

=> dup rem
ENTER L# LIST OR (END):L2
DUPLICATE IS NOT AVAILABLE IN 'REGISTRY'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L2
L3 444 DUP REM L2 (0 DUPLICATES REMOVED)

=> s L3 and bactericidal?
L4 4 L3 AND BACTERICIDAL?

=> d 1-4 L4

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2003:57950 CAPLUS
DN 138:127029
TI Infection control systems containing alkylpolyglycosides
IN Kritzler, Steven
PA Novapharm Research (Australia) Pty. Ltd., Australia
SO PCT Int. Appl., 35 pp.
    CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003006071	A1	20030123	WO 2002-AU927	20020709
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1404293	A1	20040407	EP 2002-748435	20020709
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	BR 2002011232	A	20040810	BR 2002-11232	20020709
	US 2004146479	A1	20040729	US 2003-481992	20031224
PRAI	AU 2001-6223	A	20010709		
	WO 2002-AU927	W	20020709		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
           ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1999:726932 CAPLUS
DN 131:333414
TI Antimicrobial liquids containing antimicrobial metal salts, chelating agents, and surfactants, their manufacture, and their use
IN Asakusa, Harumi; Ichikawa, Kenji
PA Nikko K. K., Japan
SO Jpn. Kokai Tokkyo Koho, 13 pp.
    CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11315001	A2	19991116	JP 1998-137549	19980430
PRAI	JP 1998-137549		19980430		

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1994:331100 CAPLUS
DN 120:331100
TI Antimicrobial agent for ophthalmic formulations
IN Holly, Frank J.; Tonge, Stephen R.
PA USA
SO U.S., 7 pp. Cont.-in-part of U.S. Ser. No. 432,171, abandoned.
    CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI US 5300296 A 19940405 US 1992-891425 19920529
PRAI US 1989-432171 B2 19891106

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1983:31329 CAPLUS
DN 98:31329
TI Ethylenediaminetetraacetic acid disodium salt as an agent modifying the penicillin sensitivity of Staphylococcus aureus. II. Effect on S. aureus in various growth phases
AU Nowakowska, Maria
CS Inst. Biol. Fizjol., Slask. Akad. Med., Katowice, Pol.
SO Medycyna Doswiadczalna i Mikrobiologia (1982), 34(1-2), 13-16
CODEN: MDMIAZ; ISSN: 0368-9158
DT Journal
LA Polish

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NEWS	21	FEB 28	BABS - Current-awareness alerts (SDIs) available
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=> e tetrasodium EDTA

E1	1		TETRASODIOTHIOSULFATOPHTHALOCYANINE/BI
E2	13514		TETRASODIUM/BI
E3	0	-->	TETRASODIUM EDTA/BI
E4	1		TETRASODIUMCALIX/BI
E5	1		TETRASODIUMCYCLOTETRAPHOSPHATE/BI
E6	1		TETRASODIUMDIETHYLSTILBESTRADIOLPHOSPHATE/BI
E7	2		TETRASODIUMDIPHOSPHATE/BI
E8	1		TETRASODIUMEDTA/BI
E9	1		TETRASODIUMETHYLENEDIAMINETETRAACETATE/BI
E10	1		TETRASODIUMHEXA/BI
E11	1		TETRASODIUMHEXACYANOFERRATE/BI
E12	1		TETRASODIUMHEXADODRIDORUTHENATE/BI

=> e tetrasodium ethylenediaminetetraacetic acid

E1	1		TETRASODIOTHIOSULFATOPHTHALOCYANINE/BI
E2	13514		TETRASODIUM/BI
E3	0	-->	TETRASODIUM ETHYLENEDIAMINETETRAACETIC ACID/BI
E4	1		TETRASODIUMCALIX/BI
E5	1		TETRASODIUMCYCLOTETRAPHOSPHATE/BI
E6	1		TETRASODIUMDIETHYLSTILBESTRADIOLPHOSPHATE/BI
E7	2		TETRASODIUMDIPHOSPHATE/BI
E8	1		TETRASODIUMEDTA/BI
E9	1		TETRASODIUMETHYLENEDIAMINETETRAACETATE/BI
E10	1		TETRASODIUMHEXA/BI
E11	1		TETRASODIUMHEXACYANOFERRATE/BI
E12	1		TETRASODIUMHEXADODRIDORUTHENATE/BI

=> s e3

L1	3	"TETRASODIUM ETHYLENEDIAMINETETRAACETIC ACID"/BI

=> s ethylenediaminetetraacetic acid

L2	83924	ETHYLENEDIAMINETETRAACETIC ACID

=> e salt of ethylenediaminetetraacetic acid

E1	1		SALSVATN/BI
E2	1416187		SALT/BI
E3	0	-->	SALT OF ETHYLENEDIAMINETETRAACETIC ACID/BI
E4	1		SALT0/BI

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E5              3      SALT1/BI
E6              2      SALT2/BI
E7              1      SALT24/BI
E8              2      SALT3/BI
E9              1      SALT4/BI
E10           137      SALTA/BI
E11             1      SALTA1/BI
E12             1      SALTA10/BI

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     (FILE 'HOME' ENTERED AT 12:56:57 ON 10 MAR 2005)
     FILE 'CAPLUS, REGISTRY' ENTERED AT 12:57:26 ON 10 MAR 2005
                E TETRASODIUM EDTA
                E TETRASODIUM ETHYLENEDIAMINETETRAACETIC ACID
L1              3 S E3
L2          83924 S ETHYLENEDIAMINETETRAACETIC ACID
                E SALT OF ETHYLENEDIAMINETETRAACETIC ACID

=> s L2 and salt
L3          13818 L2 AND SALT

=> s L3 and antiseptic
L4            167 L3 AND ANTISEPTIC

=> d 1-10 L4

L4   ANSWER 1 OF 167  CAPLUS  COPYRIGHT 2005 ACS on STN
AN   2005:171241  CAPLUS
TI   Eyedrop of low molecular weight heparin and its preparation
IN   Ling, Peixue; Tang, Xuan; Wang, Fengshan; Zhang, Tianmin; Zhou, Wei
PA   Peop. Rep. China
SO   Faming Zhuanli Shenqing Gongkai Shuomingshu, 8 pp.
     CODEN: CNXXEV
DT   Patent
LA   Chinese
FAN.CNT 1
     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
     ---------------      ----   --------    --------------------     --------
PI   CN 1459291            A      20031203    CN 2003-112288           20030528
PRAI CN 2003-112288                 20030528

L4   ANSWER 2 OF 167  CAPLUS  COPYRIGHT 2005 ACS on STN
AN   2005:33657  CAPLUS
DN   142:120107
TI   Antistatic agents containing poly(glutamic acids) and cosmetic
     compositions containing them
IN   Yamada, Kikumi; Kawasaki, Yuji; Hasebe, Kohei
PA   Ichimaru Pharcos Inc., Japan
SO   Jpn. Kokai Tokkyo Koho, 84 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
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PI	JP 2005008837	A2	20050113	JP 2003-177615	20030623
PRAI	JP 2003-177615		20030623		

L4 ANSWER 3 OF 167 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:1008196 CAPLUS
TI Hemostatic suppository of thrombin
IN Zhu, Quangang; Hu, Jinhong; Sun, Huajun
PA The Second Military Medical University of PLA, Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 5 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1471972	A	20040204	CN 2003-129363	20030619
PRAI	CN 2003-129363		20030619		

L4 ANSWER 4 OF 167 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:924355 CAPLUS
DN 142:171525
TI Strong alkaline composition having multifunctionality, production of the composition and deodorizing **antiseptic** agent and agricultural agent-decomposing agent containing the composition
IN Yang, Ho Suk
PA S. Korea
SO Repub. Korean Kongkae Taeho Kongbo, No pp. given
CODEN: KRXXA7
DT Patent
LA Korean
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	KR 2002057324	A	20020711	KR 2001-302	20010104
PRAI	KR 2001-302		20010104		

L4 ANSWER 5 OF 167 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:819960 CAPLUS
DN 141:315992
TI Water-thinned inks with excellent fixing properties and printed matters using them
IN Ota, Hitoshi
PA Seiko Epson Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 29 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004277449	A2	20041007	JP 2003-66757	20030312
PRAI	JP 2003-66757		20030312		

L4 ANSWER 6 OF 167 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:588228 CAPLUS
DN 141:128467
TI Skin-cleansing compositions containing metal-sequestering agents, and sheets impregnated with them
IN Odaguro, Takahiro; Bandai, Yoshitaka
PA Lion Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 21 pp.
CODEN: JKXXAF
DT Patent

LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004203794	A2	20040722	JP 2002-375801	20021226
PRAI	JP 2002-375801		20021226		

L4 ANSWER 7 OF 167 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:473365 CAPLUS
DN 141:28757
TI **Antiseptic** compositions containing **EDTA salts** for medical devices
IN Kite, Peter; Hatton, David
PA Aseptica, Inc., USA
SO U.S. Pat. Appl. Publ., 36 pp., Cont.-in-part of U.S. Pat. Appl. 2004 47,763.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004110841	A1	20040610	US 2003-659413	20030910
	US 2004047763	A1	20040311	US 2002-313844	20021205
	WO 2004108093	A2	20041216	WO 2004-US18009	20040604
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2001-338639P	P	20011205		
	US 2002-313844	A2	20021205		
	US 2003-476274P	P	20030604		
	US 2003-659413	A	20030910		

L4 ANSWER 8 OF 167 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:287762 CAPLUS
DN 140:309488
TI **Antiseptic** solutions containing silver chelated with polypectate and **EDTA**
IN Miner, Edwin Odell; Eatough, Craig Norman
PA USA
SO PCT Int. Appl., 13 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004028461	A2	20040408	WO 2003-US30385	20030925
	WO 2004028461	A3	20040610		
	W: AU, BR, CA, CN, ID, IN, JP, KR, MX, PH, RU, SG, TR, UA, US, ZA				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
PRAI	US 2002-413379P	P	20020925		

L4 ANSWER 9 OF 167 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:876907 CAPLUS

DN 140:157425
TI Nasal drug delivery system of methotrexate for treatment of brain neoplasm
IN Jiang, Xinguo; Wang, Feng; Lu, Wei
PA Fudan University, Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 15 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1387851	A	20030101	CN 2002-111992	20020607
PRAI	CN 2002-111992		20020607		

L4 ANSWER 10 OF 167 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:823275 CAPLUS
DN 139:327953
TI Storage-stable cosmetics containing ceramides and amido alcohols
IN Matsumoto, Chikako; Hasebe, Keiko
PA Kao Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003300842	A2	20031021	JP 2002-103806	20020405
PRAI	JP 2002-103806		20020405		

OS MARPAT 139:327953

=> s EDTA
L5 81192 EDTA

=> s antiseptic compositions of EDTA
L6 1 ANTISEPTIC COMPOSITIONS OF EDTA

=> d 1 L6

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:473365 CAPLUS
DN 141:28757
TI **Antiseptic compositions** containing **EDTA** salts for medical devices
IN Kite, Peter; Hatton, David
PA Aseptica, Inc., USA
SO U.S. Pat. Appl. Publ., 36 pp., Cont.-in-part of U.S. Pat. Appl. 2004 47,763.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004110841	A1	20040610	US 2003-659413	20030910
	US 2004047763	A1	20040311	US 2002-313844	20021205
	WO 2004108093	A2	20041216	WO 2004-US18009	20040604

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

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             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
PRAI US 2001-338639P      P     20011205
     US 2002-315644       A2    20021205
     US 2003-476274P      P     20030604
     US 2003-659413       A     20030910


=> s L5 and antiseptic?
L7          390 L5 AND ANTISEPTIC?

=> s L7 and bactericidal?
L8           65 L7 AND BACTERICIDAL?

=> L8 dup rem
L8 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> dup rem
ENTER L# LIST OR (END):L8
DUPLICATE IS NOT AVAILABLE IN 'REGISTRY'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L8
L9            65 DUP REM L8 (0 DUPLICATES REMOVED)

=> d 1-67 IBIB abs

L9   ANSWER 1 OF 65  CAPLUS  COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:         2003:57950  CAPLUS
DOCUMENT NUMBER:          138:127029
TITLE:                    Infection control systems containing
                          alkylpolyglycosides
INVENTOR(S):              Kritzler, Steven
PATENT ASSIGNEE(S):       Novapharm Research (Australia) Pty. Ltd., Australia
SOURCE:                   PCT Int. Appl., 35 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

PATENT NO.            KIND   DATE        APPLICATION NO.          DATE
---------------       ----   --------    --------------------     --------
WO 2003006071          A1    20030123    WO 2002-AU927            20020709
    W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
        CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
        GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
        LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
        PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
        UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
        TJ, TM
    RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
        CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
        PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
        NE, SN, TD, TG
EP 1404293             A1    20040407    EP 2002-748435           20020709
    R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
        IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
BR 2002011232          A     20040810    BR 2002-11232            20020709
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US 2004146479 A1 20040729 US 2003-481992 20031224
PRIORITY APPLN. INFO.: AU 2001-6223 A 20010709
WO 2002-AU927 W 20020709

AB A method for control of transmission of pathogenic organisms between a health provider (a carer or plurality of carers) and a patient (or plurality of patients) during a shift which includes the steps of (1) washing the hands of the carer, after commencement of a shift and prior to contact with the patient, with a first composition which assists in removal from the carer's hands of any anionic species of a kind which reduce the **bactericidal** efficacy of biocides, and (2) ensuring that no composition containing an anionic surfactant contacts the skin after step (1) and prior the end of the shift. A kit comprising a first composition in combination with a second composition, said compns. being such that the second contains a biocide, and use of the first prior to use of the second conditions the skin of a user against deactivation of the biocide of the second. For example, an **antiseptic** hand wash contained triclosan 1.00, propanol 5.00, propylene glycol 6.00, polyethylene glycol 400 4.00, phenoxy ethanol 0.30, perfume 0.20, akylpolyglucoside 4.50, cocamidpropyl betaine 1.20, disodium cocoamphodipropionate 3.20, hydroxyethyl cellulose 0.55, **EDTA** sodium 0.20, dye D&C Green No 3 0.00030, citric acid (to pH 6.5) 0.10, and water up to 100%, resp.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1996:548548 CAPLUS
DOCUMENT NUMBER: 125:177452
TITLE: Improved therapeutic compositions comprising **bactericidal**/permeability-increasing (BPI) protein products
INVENTOR(S): Lambert, Lewis H., Jr.
PATENT ASSIGNEE(S): Xoma Corporation, USA
SOURCE: PCT Int. Appl., 82 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9621436	A1	19960718	WO 1996-US1095	19960116
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2210390	AA	19960718	CA 1996-2210390	19960116
AU 9647705	A1	19960731	AU 1996-47705	19960116
AU 717640	B2	20000330		
EP 853475	A1	19980722	EP 1996-903710	19960116
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
JP 10512265	T2	19981124	JP 1996-521883	19960116
EP 1283050	A2	20030212	EP 2002-25706	19960116
EP 1283050	A3	20040121		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				

PRIORITY APPLN. INFO.: US 1995-372104 A 19950113
US 1995-530599 A 19950919
EP 1996-903710 A3 19960116
WO 1996-US1095 W 19960116

AB Improved therapeutic compns. having enhanced antimicrobial activity comprising a **bactericidal**/permeability-increasing (BPI) protein

product and a **bactericidal**-activity enhancing polyoxyethylene block copolymer surfactant (poloxamer surfactant) or a bacterial and fungal growth-inhibiting enhancing poloxamer surfactant, with **EDTA**, and methods for treating bacterial infection by administering such compns., alone or concurrently with antibiotics.

L9 ANSWER 3 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1996:550889 CAPLUS
DOCUMENT NUMBER: 125:177471
TITLE: Ophthalmic solutions containing cationic **antiseptics**, cyclodextrins, and **EDTA**
INVENTOR(S): Shinohara, Takashi; Kubo, Yoshikazu; Kito, Shinya
PATENT ASSIGNEE(S): Lion Corp, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08175974	A2	19960709	JP 1994-337194	19941226
JP 3297969	B2	20020702		
JP 2002284706	A2	20021003	JP 2002-33462	19941226
US 5998488	A	19991207	US 1998-141369	19980827

PRIORITY APPLN. INFO.: JP 1994-337194 A3 19941226
US 1995-579628 B3 19951226

AB The ophthalmic solns. contain cationic **antiseptics**, cyclodextrins, and **EDTA** or its salts. The ophthalmic solns. may contain H3BO3 and/or borax for enhancement of **antiseptic** action. Addition of cyclodextrins and **EDTA** (salts) prevents adsorption of the cationic **antiseptics** to contact lenses even when the solns. are applied to eye wearing contact lenses. A contact les was soaked in a solution containing taurine 1.0, **EDTA**.2Na 0.01, α-cyclodextrin 0.03, benzalkonium chloride 0.01, H3BO3 0.6, borax 0.07 weight%, and H2O balance at 25° for 24 h. Adsorption of benzalkonium chloride to the contact lens was completely inhibited. The solution also showed good antimicrobial activity, while antimicrobial activity of a control solution containing no **EDTA**.2Na and NaH2PO4 and Na2HPO4 instead of H3BO3/borax was low.

L9 ANSWER 4 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1996:333993 CAPLUS
DOCUMENT NUMBER: 125:25699
TITLE: Effects of potentiated chlorhexidine on bacteria and tarsocrural joints in ponies
AUTHOR(S): Klohnen, Andreas; Wilson, David G.; Hendrickson, Dean A.; Cooley, A. James; MacWilliams, Peter S.
CORPORATE SOURCE: School of Veterinary Medicine, University of Wisconsin, Madison, WI, 53706, USA
SOURCE: American Journal of Veterinary Research (1996), 57(5), 756-761
CODEN: AJVRAH; ISSN: 0002-9645
PUBLISHER: American Veterinary Medical Association
DOCUMENT TYPE: Journal
LANGUAGE: English

AB We evaluated the **bactericidal** properties of chlorhexidine diacetate (CHD) after potentiation with **EDTA** and Tris buffer (**EDTA**-Tris), and found a potentiated CHD concentration that would achieve 90 to 100% killing for all bacteria tested in 6 adult ponies. Serial dilns. of CHD, CHD in **EDTA**-Tris, and **EDTA**-Tris alone were evaluated for **bactericidal** activity against Staphylococcus aureus, Escherichia coli, and Streptococcus epidemicus. The tarsocrural

joints of 6 ponies were lavaged with either 1 L of phosphate-buffered saline solution (control) or 1 L of 0.0005% CHD in **EDTA**-Tris. Synovial fluid was collected before lavage and on days 1, 4, and 8. Synovia, cartilage, and bone with cartilage were collected on day 8 when the ponies were euthanized. In vitro results indicated that 0.0005% CHD in **EDTA**-Tris was 90% lethal to all bacteria tested. Results of synovial fluid anal., glycosaminoglycan anal., and histol. examination of the synovial membrane and articular cartilage indicated that joint lavage with 0.0005% CHD in **EDTA**-Tris was not detrimental to the synovium or the articular cartilage of pony tarsocrural joints. Changes observed were a result of the actual lavage process, the phosphate-buffered saline solution, and hemarthrosis. A concentration of 0.0005% CHD in **EDTA**-Tris was 90% lethal to all bacteria tested. Pony tarsocrural joint lavage with 0.0005% CHD in **EDTA**-Tris was not detrimental to the synovium or the articular cartilage. The efficacy of 0.0005% CHD potentiated with **EDTA**-Tris as a potential joint lavage fluid for treatment of infectious arthritis needs to be evaluated in clin. patients.

L9 ANSWER 5 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1996:550779 CAPLUS
DOCUMENT NUMBER: 125:257045
TITLE: The effectiveness of two ciprofloxacin formulations for experimental Pseudomonas and Staphylococcus keratitis
AUTHOR(S): Engel, Lee S.; Callegan, Michelle C.; Hill, James M.; Folkens, Alan T.; Shimomura, Yoshikazu; O'Callaghan, Richard J.
CORPORATE SOURCE: School of Medicine, Louisiana State University Medical Center, New Orleans, LA, USA
SOURCE: Japanese Journal of Ophthalmology (1996), 40(2), 212-219
CODEN: JJOPA7; ISSN: 0021-5155
PUBLISHER: Japanese Journal of Ophthalmology
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Ciprofloxacin is a fluoroquinolone antibiotic with broad spectrum **bactericidal** activity. A com. available form of ciprofloxacin contains benzalkonium chloride (BAC) (0.006%) and **EDTA** (0.05%) as preservatives. Since BAC has been shown to cause adverse changes in corneal epithelial cells, a formulation of ciprofloxacin devoid of BAC and **EDTA** but with the same effectiveness would be valuable. We present here the results of expts. designed to assess the efficacy of a BAC-free and **EDTA**-free formulation of ciprofloxacin, Ciprofloxacin-polystyrene sulfonate (PSS), in exptl. models of Pseudomonas aeruginosa and Staphylococcus aureus keratitis. Both formulations of ciprofloxacin sterilized corneas infected with P aeruginosa, and both formulations showed equal **bactericidal** activity for S aureus. Normal eyes treated with either formulation showed mild conjunctival irritation compared to untreated normal eyes. The **bactericidal** activities of both formulations of ciprofloxacin were excellent. Therefore, the Ciprofloxacin-PSS formulation could serve as an effective single drug therapy for ocular infections.

L9 ANSWER 6 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1996:530821 CAPLUS
DOCUMENT NUMBER: 125:230458
TITLE: Study of improving stability of peracetic acid solutions
AUTHOR(S): Liu, Suwu; Wu, Jianmei; Duan, Chunfa; Liang, Geping; Liu, Xi
CORPORATE SOURCE: Department of Chemistry, Xiangtan University, Xiangtan, 411105, Peop. Rep. China
SOURCE: Xiangtan Daxue Ziran Kexue Xuebao (1996), 18(1), 53-57
CODEN: XDZXEW; ISSN: 1000-5900

PUBLISHER: Xiangtan Daxue
DOCUMENT TYPE: Journal
LANGUAGE: Chinese
AB The equilibrium consts. of an aqueous **bactericidal** peracetic acid system containing H2O2 and acetic acid were measured, and the effect of oxalic acid, 8-hydroxyquinoline, and **EDTA** on the stability of the aqueous system was studied. None of the above additives significantly stabilized the aqueous system. A composite was developed, which stabilized an aqueous solution for over 6 mo at room temperature in darkness.

L9 ANSWER 7 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1995:420809 CAPLUS
DOCUMENT NUMBER: 122:170308
TITLE: Stabilized quaternary ammonium salt disinfectant formulation.
INVENTOR(S): Smith, Kim; Boyd, Fred
PATENT ASSIGNEE(S): Huntington Laboratories, Inc., USA
SOURCE: U.S., 4 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5389685	A	19950214	US 1993-75136	19930610

PRIORITY APPLN. INFO.: US 1993-75136 19930610

AB The color-stability of disinfectant formulations comprising **bactericidal** quaternary ammonium compds., a nonionic surfactant, and water, is enhanced by adding an alkali metal bicarbonate. The bicarbonate can be used in lieu of the art-accepted **EDTA**/NaOH builder.

L9 ANSWER 8 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1995:403389 CAPLUS
DOCUMENT NUMBER: 122:154166
TITLE: Preventing precipitation of copper from copper-based **bactericidal** compositions containing iron.
INVENTOR(S): Schroth, Milton N.; Lee, Yung Ann; Chong, Mavis D.
PATENT ASSIGNEE(S): University of California, USA
SOURCE: U.S., 13 pp. Cont.-in-part of U.S. 5,202,353.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5385934	A	19950131	US 1993-46581	19930412
US 5202353	A	19930413	US 1991-644997	19910122
WO 9424225	A1	19941027	WO 1994-US4018	19940412
W: AU, CN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9466322	A1	19941108	AU 1994-66322	19940412

PRIORITY APPLN. INFO.: US 1991-644997 A2 19910122
US 1993-46581 A 19930412
WO 1994-US4018 W 19940412

AB The activity of Cu-based fungicidal and **bactericidal** compns. is enhanced by Fe+3. Addition of aggregation-inhibiting salts, such as MgSO4, MnSO4, ZnSO4 or **EDTA** salts, prevents aggregate and/or sediment formation upon the addition of Fe+3 to the composition

L9 ANSWER 9 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1996:404887 CAPLUS
DOCUMENT NUMBER: 125:49284
TITLE: Synergistic compositions containing lysostaphin for treating staphylococcal infections, and methods for treating bovine staphylococcal mastitis
INVENTOR(S): Blackburn, Peter; Polak, June
PATENT ASSIGNEE(S): Applied Microbiology Inc, USA
SOURCE: Israeli, 32 pp.
CODEN: ISXXAQ
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IL 87686	A1	19951231	IL 1988-87686	19880906
PRIORITY APPLN. INFO.:			IL 1988-87686	19880906

AB A composition for killing staphylococci comprises lysostaphin and ≥1 agent which synergistically enhances **bactericidal** activity of lysostaphin, selected from the group consisting of penicillin, synthetic penicillins, other cell-wall active antibiotics, chelating agents, and mild surfactants in amts. effective to kill staphylococci. The **bactericidal** activity of lysostaphin, alone, and with other agents, against Staphylococcus aureus was determined Also described is production of recombinant lysostaphin from cultures of Bacillus sphaericus strain 00 transformants containing plasmid pBC16-1L. The composition of the invention is useful for treatment of bovine mastitis.

L9 ANSWER 10 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1995:242625 CAPLUS
DOCUMENT NUMBER: 122:3564
TITLE: Preventing precipitation of copper from copper-based **bactericidal** and fungicidal compositions upon addition of iron.
INVENTOR(S): Schroth, Milton N.; Lee, Yung-Ann; Chong, Mavis Date
PATENT ASSIGNEE(S): Regents of the University of California, USA
SOURCE: PCT Int. Appl., 52 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9424225	A1	19941027	WO 1994-US4018	19940412
W: AU, CN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5385934	A	19950131	US 1993-46581	19930412
AU 9466322	A1	19941108	AU 1994-66322	19940412
PRIORITY APPLN. INFO.:			US 1993-46581 A	19930412
			US 1991-644997 A2	19910122
			WO 1994-US4018 W	19940412

AB Some salts (MgSO4, MnSO4, ZnSO4, etc.) prevent aggregate and/or sediment formation upon the addition of synergizing amts. of Fe+3 to aqueous fixed microbicidal Cu compns., such as Kocide.

L9 ANSWER 11 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1995:305785 CAPLUS
DOCUMENT NUMBER: 122:169613

TITLE: Sanitizer for swimming pools, spas, and hot tubs
INVENTOR(S): Gay, Walter A.
PATENT ASSIGNEE(S): Olin Corp., USA
SOURCE: U.S., 9 pp. Cont.-in-part of U.S. 5,258,409.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5373025	A	19941213	US 1993-75446	19930614
US 5258409	A	19931102	US 1992-840411	19920224
WO 9429266	A1	19941222	WO 1994-US5944	19940531
W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KG, KP, KR, KZ, LK, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, TJ, TT, UA, UZ, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9470460	A1	19950103	AU 1994-70460	19940531

PRIORITY APPLN. INFO.: US 1992-840411 A2 19920224
US 1993-75446 A 19930614
WO 1994-US5944 W 19940531

AB A sanitizer composition comprises a **bactericidal** effective amount of (a) a quaternary ammonium compound selected from the group consisting of (hydrogenated tallow) 2-ethylhexyl di-Me ammonium salt, dicoco di-Me ammonium salt, and mixts. thereof; and (b) a Cu (II) ion source. The composition also contains an oxidizer (H2O2, Oxone).

L9 ANSWER 12 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1994:331100 CAPLUS
DOCUMENT NUMBER: 120:331100
TITLE: Antimicrobial agent for ophthalmic formulations
INVENTOR(S): Holly, Frank J.; Tonge, Stephen R.
PATENT ASSIGNEE(S): USA
SOURCE: U.S., 7 pp. Cont.-in-part of U.S. Ser. No. 432,171, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5300296	A	19940405	US 1992-891425	19920529

PRIORITY APPLN. INFO.: US 1989-432171 B2 19891106

AB A disinfectant or preservative composition particularly adapted for use in ophthalmic prepns. such as contact lens disinfecting, cleaning, cushioning, wetting, soaking and reconditioning solns. and addnl. in topical medications and tear substitutes, which uses a hydrophilic polymeric antimicrobial agent, namely NPX, poly[oxyethylene(dimethylimino)(ethylene dimethylimino)ethylene dichloride], with addnl. agents including **EDTA** and alkali salts thereof and a boric acid-borate buffer system. NPX exhibited **bactericidal** and fungicidal activities. A contact lens disinfecting solution comprised of NPX 0.001%, sodium chloride 0.78%, tetrasodium edetate 0.08%, boric acid 0.35%, sodium borate 0.02% and water was prepared

L9 ANSWER 13 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1994:263391 CAPLUS
DOCUMENT NUMBER: 120:263391
TITLE: **Bactericidal** potency of hydroxyl radical in

physiological environments

AUTHOR(S): Wolcott, Robert G.; Franks, Benjamin S.; Hannum, Diane M.; Hurst, James K.

CORPORATE SOURCE: Dep. Chem. Biochem. Mol. Biol., Oregon Grad. Inst. Sci. Technol., Portland, OR, 97291-1000, USA

SOURCE: Journal of Biological Chemistry (1994), 269(13), 9721-8
CODEN: JBCHA3; ISSN: 0021-9258

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Rates of radiolytic inactivation of bacteria suspended in N2O-saturated solns. were dramatically increased over normal background levels when the media contained chloride or bicarbonate ions. The bacteria could be protected from this enhanced toxicity by the addition of free radical scavengers (ethanol, ascorbate, hydrogen peroxide, mannitol, glucose, **EDTA**, picolinic acid), indicating that the lethal reactions were extracellular in origin. Prior irradiation of chloride-containing solns. led to formation of hypochlorous acid, which was identified by detection of ring-chlorinated products when reacted with fluorescein. Prolonged irradiation of other solns. did not lead to accumulation of **bactericidal** agents; however, irradiation of bicarbonate-containing solns. in the presence of the spin trap 5,5-dimethyl-1-pyrroline N-oxide (DMPO) led to formation of the EPR-detectable DMPO-CO3- adduct. The results are interpreted in terms of formation of secondary radicals, among which the carbonate and chlorine radicals are uniquely toxic to bacteria. From rate comparisons of the solution components, it was concluded that the reactions involving chloride ion are unlikely to be expressed in biol. environments, but that the CO3- radical could be an important intermediary oxidant in peroxide-inflicted cellular damage, particularly in spatially confined environments such as the leukocyte phagosome.

L9 ANSWER 14 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1994:239185 CAPLUS

DOCUMENT NUMBER: 120:239185

TITLE: Bacterial cell killing by antibody targeted photolysis: enhanced effect by OH radical generation

AUTHOR(S): Strong, Louis; Lu, Xiao Ming; Tompkins, Ronald G.; Yarmush, Martin L.

CORPORATE SOURCE: Surg. Serv., Massachusetts Gen. Hosp., Boston, MA, USA

SOURCE: Journal of Controlled Release (1994), 28(1-3), 175-86
CODEN: JCREEC; ISSN: 0168-3659

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Two structurally distinct immunoconjugates were used for photolysis of bacterial cells. One contained a dextran carbazate (DC) polymer as a linker between the photosensitizer mols. and the Fc oligosaccharide moiety of the monoclonal antibody, while the other linked the photosensitizer mols. and the Fc oligosaccharide by a short ethylenediamine (ED) spacer. The two immunoconjugates exhibited remarkably different photophys. properties and cell killing potential with respect to their abilities to generate singlet oxygen. The DC conjugate exhibited poor singlet oxygen (1Δg) yields, yet was shown to produce more efficient cell killing on the basis of 1Δg dose than did the ED conjugate. In light of the enhanced cell killing capacity of the DC conjugate, a search for other toxic photoproducts was initiated. It was found that the DC conjugate was capable of generating hydroxyl radicals (OH•) upon light illumination. Quantum yields for OH• generation were evaluated. The DC-photosensitizer polymer appeared to initiate a cascade addition reaction presumably by adding peroxides and hydroperoxides to the glucose residues of the dextran carbazate linker. These results suggest that this radical formation could propagate down the DC polymer and account for the superior cell killing exhibited by the DC conjugate.

L9 ANSWER 15 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1992:619662 CAPLUS
DOCUMENT NUMBER: 117:219662
TITLE: Compositions for purification of waters in swimming pools
INVENTOR(S): Delaney, Brendan James
PATENT ASSIGNEE(S): S. Afr.
SOURCE: Eur. Pat. Appl., 5 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 494373	A1	19920715	EP 1991-120571	19911129
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 5149354	A	19920922	US 1991-639800	19910110
ZA 9200177	A	19930712	ZA 1992-177	19920110

PRIORITY APPLN. INFO.: US 1991-639800 A 19910110

AB The compns. comprise CuSO4.5H2O 78-83, AgNO3 0.08-0.12, NaC6H11O7 and ZnCl2 or ZnSO4.7H2O 1.0-1.4 (each), water 9.6-16.4, a complexone, e.g., Trilon B (tetrasodium salt of EDTA) 3.5-4.5 weight%. The compns. have **bactericidal**, algicidal, and fungicidal properties, and are especially suitable for purification of swimming pool waters.

L9 ANSWER 16 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1992:414470 CAPLUS
DOCUMENT NUMBER: 117:14470
TITLE: Cleaning-disinfecting composition, especially for surgical instruments
INVENTOR(S): Kassentini, Philippe
PATENT ASSIGNEE(S): Peters, Fr.
SOURCE: Eur. Pat. Appl., 36 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 478445	A1	19920401	EP 1991-402544	19910924
EP 478445	B1	19971217		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
FR 2667220	A1	19920403	FR 1990-12035	19900928
FR 2667220	B1	19970117		
CA 2052160	AA	19920329	CA 1991-2052160	19910924
AT 161285	E	19980115	AT 1991-402544	19910924

PRIORITY APPLN. INFO.: FR 1990-12035 A 19900928
OTHER SOURCE(S): MARPAT 117:14470

AB The title composition, which contains no aldehydes or phenols, comprises a quaternary ammonium group-containing amphoteric compound, a **bactericidal** quaternary ammonium compound, a biodegradable ethoxylated alc. nonionic detergent, ≥1 lower alc., an amphoteric detergent with good skin tolerance, a chelate, a corrosion inhibitor, and an agent for pH control. A preferred composition contains N-[N'-(N''-2-hydroxyethyl-N''carboxyethylaminoethyl)amidoacetate]-N,N-dimethyl-N-coco-ammonium betaine, ethoxylated isotridecanol (8 mols ethylene oxide), EtOH-Me2CHOH, lauryldimethylcarboxymethylammonium betaine, **EDTA**, 1-hydroxyethyl-2-heptadecenylimidazoline, oleic acid diethanolamide, and citric acid (final pH 8.5). The Composition was effective against a variety of bacteria, Candida albicans, human immunodeficiency virus-1, and hepatitis B virus.

L9 ANSWER 17 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1992:466364 CAPLUS
DOCUMENT NUMBER: 117:66364
TITLE: **Bactericidal** effect of iron(2+), ceruloplasmin, and phosphate
AUTHOR(S): Klebanoff, Seymour J.
CORPORATE SOURCE: Dep. Med., Univ. Washington, Seattle, WA, 98195, USA
SOURCE: Archives of Biochemistry and Biophysics (1992), 295(2), 302-8
CODEN: ABBIA4; ISSN: 0003-9861
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Fe2+, when combined with ceruloplasmin or phosphate, was **bactericidal** to Escherichia coli at pH 5.0, and when Fe2+, ceruloplasmin, and phosphate were combined, a **bactericidal** effect was observed under conditions, i.e., short incubation period, in which Fe2+ plus ceruloplasmin and Fe2+ plus phosphate were ineffective. **Bactericidal** activity increased with the ceruloplasmin or phosphate concentration to a maximum and then decreased as their concentration was further increased. Fe2+ was oxidized in the presence of ceruloplasmin, phosphate, or, in particular, a combination of the two. A **bactericidal** effect was observed when there was only a partial loss of Fe2+, with more extensive oxidation resulting in a loss of **bactericidal** activity. The **bactericidal** effect of Fe2+ plus ceruloplasmin and(or) phosphate was unaffected by catalase or superoxide dismutase and was not associated with iodination. Fe-**EDTA** was also **bactericidal** at an Fe2+:**EDTA** molar ratio of 1:0.5, where Fe2+ was partially oxidized. However, in contrast to Fe2+ plus ceruloplasmin and(or) phosphate, **bactericidal** activity was inhibited by catalase and was associated with iodination. Combinations of Fe2+ and Fe3+ were not **bactericidal** under the conditions employed. A requirement for Fe2+ plus either a product of Fe2+ oxidation or an iron ceruloplasmin and(or) phosphate chelate for **bactericidal** activity is proposed.

L9 ANSWER 18 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1992:80300 CAPLUS
DOCUMENT NUMBER: 116:80300
TITLE: Effects of iron(II)-ascorbate complex on various bacteria
AUTHOR(S): Lho, Il Hwan; Kishikawa, Shigeki; Kamesaki, Yuko; Kato, Fumio; Murata, Akira
CORPORATE SOURCE: Dep. Appl. Biol. Sci., Saga Univ., Saga, 840, Japan
SOURCE: Nippon Nogei Kagaku Kaishi (1991), 65(12), 1761-8
CODEN: NNKKAA; ISSN: 0002-1407
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
AB The in vitro effect of Fe(II)-ascorbate complex on various bacteria was investigated. The complex was strongly **bactericidal** toward all 9 species examined The bacteria were sensitive to the complex in this order, from greatest to least: Lactobacillus casei, Bacillus subtilis, Salmonella typhimurium, Escherichia coli, Staphylococcus aureus, Serratia marcescens, Proteus vulgaris, Micrococcus flavus, and Morganella morganii. The killing effect of the complex was 100-2000 times that of ascorbate alone. Factors affecting the **bactericidal** action of the complex were investigated with E. coli. The action depended on temperature and pH. The bubbling of N2 through the reaction mixture and the addition to the reaction mixture of H2O2, reducing agents, metal ions, chelating agents, or radical scavengers prevented the action. Ascorbate and tocopherol enhanced the action. Catalase and superoxide dismutase did not affect the action. These findings are different from those obtained with ascorbate, indicating that there are some differences in **bactericidal**

action between Fe(II)-ascorbate complex and ascorbate.

L9 ANSWER 19 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1991:214519 CAPLUS
DOCUMENT NUMBER: 114:214519
TITLE: Synergistic **bactericidal** compositions comprising lysostaphin and a lanthionine-containing bacteriocin
INVENTOR(S): Blackburn, Peter; Gusik, Sara Ann; Polak, June; Rubino, Stephen D.
PATENT ASSIGNEE(S): Public Health Research Institute of the City of New York, Inc., USA
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9009739	A1	19900907	WO 1990-US1053	19900227
W: AU, CA, FI, HU, JP, KR, NO, SU				
RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
US 4980163	A	19901225	US 1989-317627	19890301
IL 93527	A1	19950315	IL 1990-93527	19900226
CA 2028140	AA	19900902	CA 1990-2028140	19900227
CA 2028140	C	19961203		
AU 9052850	A1	19900926	AU 1990-52850	19900227
AU 618714	B2	19920102		
ZA 9001499	A	19901128	ZA 1990-1499	19900227
EP 424484	A1	19910502	EP 1990-904988	19900227
EP 424484	B1	19940810		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
HU 55607	A2	19910628	HU 1990-2849	19900227
HU 217574	B	20000228		
JP 03504864	T2	19911024	JP 1990-504798	19900227
JP 2984744	B2	19991129		
RU 2048151	C1	19951120	RU 1990-4831853	19900227
PL 163940	B1	19940531	PL 1990-284095	19900301
DD 301903	A9	19940630	DD 1990-338282	19900301
CZ 279273	B6	19950315	CZ 1990-984	19900301
NO 9004729	A	19901115	NO 1990-4729	19901031
NO 304767	B1	19990208		
FI 103861	B1	19991015	FI 1990-5378	19901031

PRIORITY APPLN. INFO.: US 1989-317627 A 19890301
US 1989-317625 A 19890301
WO 1990-US1053 A 19900227

AB Compns. containing lysostaphin and a lanthionine-containing bacteriocin, such as misin, subtilin, epidermin, cinnamycin, duramycin, ancovenin and Pep 5, are synergistic bactericides. The range and activity of these compns. can be further enhanced by chelating agents and/or surfactants. Lysostaphin (0.1 μg/mL), combined with 4 μg risin/mL, synergistically killed Staphylococcus aureus in milk.

L9 ANSWER 20 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1990:426740 CAPLUS
DOCUMENT NUMBER: 113:26740
TITLE: **Bactericidal** lubricant compositions
INVENTOR(S): Miura, Kenji; Sakai, Kaname; Tamura, Mikinobu
PATENT ASSIGNEE(S): Asahi Denka Kogyo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02055795	A2	19900226	JP 1988-207537	19880822

PRIORITY APPLN. INFO.: JP 1988-207537 19880822

AB Title compns., useful for belt conveyors in food industry, comprise 0.1-50% guanidine-based bactericides and 1-80% C6-10-fatty acid salts. Thus, a mixture of caprylic acid ethanolamine salt (I) 10, Vantocil IB 10, Adeka Estol DEG-106 (polyoxyethylene oleate) 10, **EDTA** tetrasodium salt 2, i-PrOH 5, and H2O 53% showed friction resistance 0.086 between a 1250-g beer bottle and a plastic conveyor moving at 32 m/min and killed Escherichia coli, Bacillus subtilis, Pseudomonas aeruginosa, and Streptococcus faecalis, vs. 0.150 and some survival of the above bacteria for a control containing lauric acid ethanolamine salt in place of I.

L9 ANSWER 21 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1991:162786 CAPLUS
DOCUMENT NUMBER: 114:162786
TITLE: Bacteriocin-chelating agent mixtures as bactericides for food stuffs
INVENTOR(S): Wilhoit, Darrel Loel
PATENT ASSIGNEE(S): Viskase Corp., USA
SOURCE: Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 384319	A1	19900829	EP 1990-103033	19900216
EP 384319	B1	19990428		
R: AT, BE, DE, DK, ES, FR, GB, IT, NL, SE				
CA 2009990	AA	19900821	CA 1990-2009990	19900214
CA 2009990	C	19991116		
EP 750853	A2	19970102	EP 1996-112759	19900216
EP 750853	A3	19970108		
EP 750853	B1	20010816		
R: AT, BE, DE, DK, ES, FR, GB, IT, NL, SE				
AT 179307	E	19990515	AT 1990-103033	19900216
ES 2132059	T3	19990816	ES 1990-103033	19900216
EP 1068808	A1	20010117	EP 2000-114109	19900216
EP 1068808	B1	20040811		
R: AT, BE, DE, DK, ES, FR, GB, IT, NL, SE				
EP 1084628	A2	20010321	EP 2000-124260	19900216
EP 1084628	A3	20010718		
EP 1084628	B1	20040818		
R: AT, BE, DE, DK, ES, FR, GB, IT, NL, SE				
AT 204140	E	20010915	AT 1996-112759	19900216
ES 2161950	T3	20011216	ES 1996-112759	19900216
AT 272951	E	20040815	AT 2000-114109	19900216
AT 273625	E	20040915	AT 2000-124260	19900216
AU 9049935	A1	19900830	AU 1990-49935	19900220
AU 646797	B2	19940310		
FI 105525	B1	20000915	FI 1990-844	19900220
JP 02300106	A2	19901212	JP 1990-38541	19900221
JP 2794318	B2	19980903		
US 5573797	A	19961112	US 1993-51258	19930423
US 5573800	A	19961112	US 1993-51259	19930423

US 5573801	A	19961112	US 1993-51260		19930423
AU 9453023	A1	19940324	AU 1994-53023		19940105
AU 665646	B2	19960111			
PRIORITY APPLN. INFO.:			US 1989-312840	A	19890221
			US 1990-472731	A	19900205
			EP 1990-103033	A3	19900216
			EP 1990-112659	A3	19900216
			US 1991-804141	B1	19911206
			US 1991-804156	B1	19911206
			US 1991-804878	B1	19911206

AB A synergistic **bactericidal** composition for foodstuffs comprises a bacteriocin of Streptococcus or Pediococcus and a chelating agent. Mixts. of nisin or pediocin with Na2EDTA or citric acid were effective in inhibiting growth of Listeria monocytogenes and aerobic bacteria on skinless frankfurters. Similar results were obtained when the casing contained the **bactericidal** mixture or when the mixture was applied to the meat directly.

L9 ANSWER 22 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:	1990:437651 CAPLUS
DOCUMENT NUMBER:	113:37651
TITLE:	The accumulation of five quinolone antibacterial agents by Escherichia coli
AUTHOR(S):	Diver, J. M.; Piddock, L. J. V.; Wise, R.
CORPORATE SOURCE:	Dep. Microbiol., Dudley Road Hosp., Birmingham, UK
SOURCE:	Journal of Antimicrobial Chemotherapy (1990), 25(3), 319-33 CODEN: JACHDX; ISSN: 0305-7453
DOCUMENT TYPE:	Journal
LANGUAGE:	English

AB The accumulation of 5 radiolabeled quinolone antibacterial agents by E. coli KL16 was examined using a vacuum filtration method. Preliminary expts. were performed to determine the optimum quinolone concentration, inoculum of cells, filter washing regimen, and filter type. All 5 quinolones showed a similar biphasic pattern of accumulation with high radioactive counts cell-associated during the 1st 10 s of the assay, followed by steadily increasing accumulation over 30 min. Anal. of the mean accumulation after 30 min for each quinolone showed that there was no direct relationship between quinolone accumulation and antibacterial activity (as quantified by the MIC or **bactericidal** activity). Mechanistic investigations showed that accumulation was decreased by low reaction temps., acid pH, and the presence of the metabolic inhibitors 2,4-dinitrophenol, KCN, and NaN3. These results suggest that quinolone accumulation by E. coli KL16 is partly dependent on cell metabolism and may proceed by an active transport mechanism. Treatment of cells with **EDTA** did not increase quinolone accumulation, suggesting that the outer membrane of E. coli KL16 does not act as a permeability barrier to these quinolones. The implication of these results in terms of possible mechanisms of bacterial resistance to quinolones is discussed.

L9 ANSWER 23 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:	1989:121413 CAPLUS
DOCUMENT NUMBER:	110:121413
TITLE:	Bactericides containing hydrogen peroxide-forming enzyme, peroxidase, lysozyme and thiocyanate for dentifrices and wound treatment
INVENTOR(S):	Poulsen, Otto Melchior
PATENT ASSIGNEE(S):	Den.
SOURCE:	PCT Int. Appl., 22 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8802600	A1	19880421	WO 1987-DK130	19871019
W: AU, FI, JP, NO, US				
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
DK 8605016	A	19880421	DK 1986-5016	19861020
AU 8781750	A1	19880506	AU 1987-81750	19871019
EP 293407	A1	19881207	EP 1987-907213	19871019
R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
JP 01501000	T2	19890406	JP 1987-506623	19871019
NO 8802708	A	19880819	NO 1988-2708	19880617
FI 8802947	A	19880620	FI 1988-2947	19880620
PRIORITY APPLN. INFO.:			DK 1986-5016 A	19861020
			WO 1987-DK130 A	19871019

AB Bactericides contain ≥1 enzymes which in aqueous solution forms H2O2 in the presence of O2 and a suitable substrate. The compns. further contain a peroxidase, a thiocyanate, and lysozyme. An aqueous solution containing 1800 Sumner units invertase, 1400 units lactase, 80 units glucose oxidase, 0.1 mmol NaSCN, 56 ABTS units lysozyme, 60 mg glycerol, 20 g **EDTA**, 0.1 mmol Na2HPO4, and H2O to 100 mL was used to drench gauze pads. The solvent was evaporated and the resulting wound dressing was used together with a vulnerary powder containing 2% glucose.

L9 ANSWER 24 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1989:601692 CAPLUS
DOCUMENT NUMBER: 111:201692
TITLE: Antibacterial soaps containing iodophores and soap base composition therefor
INVENTOR(S): Jungermann, Eric; Scott, Richard A.
PATENT ASSIGNEE(S): Neutrogena Corp., UK
SOURCE: Brit. UK Pat. Appl., 19 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2204054	A1	19881102	GB 1988-10062	19880428
GB 2204054	B2	19910731		
US 4839080	A	19890613	US 1987-44220	19870430
CA 1331123	A1	19940802	CA 1988-565092	19880426
PRIORITY APPLN. INFO.:			US 1987-44220 A	19870430

AB A mild antibacterial soap composition, which is useful as a surgical scrub, comprises an iodophore as its bacteriostat and an iodophore-compatible soap base based on saturated fatty acids and 40-50% water. An antibacterial soap contained isostearic acid 6.0, n-dodecanoic acid 5.0, stearic acid 3.0, caustic soda 3.7, triethanolamine 2.1, water 43.4, Na N-methyltaurate 4.0, lauric diethanolamide 4.0, Na laurylsarcosinate 4.0, glycerin 15.0, HEEDTA 0.2, Na3EDTA 0.1, BHA 0.5, BHT 0.3, povidone-iodine 8.0, citric acid 0.5 weight/weight%; pH = 8.6-8.8. The irritancy of this product was less than that of prior art detergents containing Octoxynol-9. The stability of the iodophore in this product was 96, 96, 94. and 94% after 24 h, 7 days, 30 days, and 90 days, resp., compared with 37% and 0% at 24 h and 7 days, resp., for a standard soap base [tallow:coconut (80:20)].

L9 ANSWER 25 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1989:141231 CAPLUS
DOCUMENT NUMBER: 110:141231
TITLE: **Bactericidal** and fungicidal cosmetics especially shampoos containing solubilized metal

pyrithiones
INVENTOR(S): Burke, John Jerome; Roelofs, Robert Ross; Kinnaird, Michael Gates
PATENT ASSIGNEE(S): BASF Corp., USA
SOURCE: Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 268911	A2	19880601	EP 1987-116464		19871107
EP 268911	A3	19881207			
R: BE, CH, DE, FR, GB, IT, LI					
US 4835149	A	19890530	US 1986-930009		19861113
CA 1323831	A1	19931102	CA 1987-542588		19870721
PRIORITY APPLN. INFO.:			US 1986-930009	A	19861113

OTHER SOURCE(S): MARPAT 110:141231

AB **Bactericidal** and fungicidal compns. contain a metal pyrithione salt, an aliphatic monoamine, and aminocarboxylates selected from EDTA, diethylenetriaminepentaacetic acid, nitriloacetic acid, N-(hydroxyethyl)ethylenediaminetriacetic acid, cyclohexanediaminetetraacetic acid, triethanolamine **EDTA**, and XO2CNACH2CH2NACO2X.nH2O (X = H, Li, Na, K, Cs, Mg, Ca, Ni, Cu, Zn, or their mixts.; A = H, CO2X; n = 0, integer). The compns. may be used cosmetically or in antiseborrhea shampoos. A shampoo with a pH of 6.7 contained ammonium lauryl sulfate/ammonium lauryl ether sulfate blend (28% active) 70.0, zinc pyrithione 1.0, ethanolamine 1.4, **EDTA** 7.8, diethylene glycol 5.5, ammonium hydroxide 3.2, and water 14.1%. This composition inhibited the growth of Candida albicans, Pseudomonas aeruginosa, and Pityrosporum ovale in vitro.

L9 ANSWER 26 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1988:101364 CAPLUS
DOCUMENT NUMBER: 108:101364
TITLE: Eye lotions containing 6-fluoro-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylate derivatives
PATENT ASSIGNEE(S): Warner-Lambert Co., USA
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62185085	A2	19870813	JP 1987-20634	19870202
US 4692454	A	19870908	US 1986-825007	19860203
CA 1281653	A1	19910319	CA 1987-526640	19870105
ZA 8700164	A	19880831	ZA 1987-164	19870109
AU 8767505	A1	19870806	AU 1987-67505	19870112
AU 588958	B2	19890928		
DK 8700524	A	19870804	DK 1987-524	19870202
DK 173401	B1	20000925		
EP 235589	A2	19870909	EP 1987-101354	19870202
EP 235589	A3	19891213		
EP 235589	B1	19921028		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AT 81776	E	19921115	AT 1987-101354	19870202
ES 2044843	T3	19940116	ES 1987-101354	19870202
US 4851415	A	19890725	US 1987-62999	19870617

PRIORITY APPLN. INFO.: US 1986-825007 A 19860203
EP 1987-101354 A 19870202

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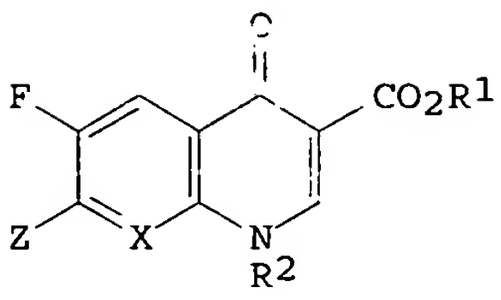


I

AB A **bactericidal** eye lotion contains a nontoxic organic or inorg. pharmaceutical carrier and **bactericidal** title compds. I [n = 0, 1; R1 = H, C1-6 alkyl; R2 = C1-4 alkyl, R2 = C1-4 alkyl, vinyl, haloalkyl, C2-4 hydroxyalkyl, C3-6 cycloalkyl; X = CH, CF, N; Z = 3-(substituted)-1-pyrrolidinyl, 8-(substituted)-2,8-diazabicyclo[4.4]non-2-yl]. An eye lotion was prepared consisting of 1-ethyl-7-[3-(ethylamino)methyl-1 pyrrolidinyl]-6,8-difluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid 3.0, AcONa·3H2O 2.72, benzalkonium chloride 0.11, Na2 **EDTA** 0.1, NaCl 7.42, HCl 5.2, and H2O to 100 mg.

L9 ANSWER 27 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1986:597238 CAPLUS
DOCUMENT NUMBER: 105:197238
TITLE: Sterilizing solutions
INVENTOR(S): Savell, Hugh; Yule, Charles A.
PATENT ASSIGNEE(S): S. S. White, Ltd., UK
SOURCE: Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 193344	A1	19860903	EP 1986-301159	19860219
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
GB 2171307	A1	19860828	GB 1985-5065	19850227
PRIORITY APPLN. INFO.:			GB 1985-5065	A 19850227

AB A sterilizing composition having pH <7 comprises a C3-6 n-alkane α, ω-dicarboxaldehyde, particularly glutaraldehyde, and a C1-3 alkanol. Addnl., the composition contains sporicidal and **bactericidal** potentiating compds., particularly Mg ions, to render the dialdehyde sporicidal at acidic pH. The composition is supplied as a 1 part solution having a shelf life .apprx.2yrs, not requiring dilution or potentiation before use. Thus, a sterilizing solution contained glutaraldehyde 2, isoPrOH 2, MgCl2·6H2O 4.06, Triton X-100 2, tetra-Na **EDTA** 0.25, Na borate 0.03, boric acid 0.4, Phenol red 0.0005, and water 85.26%.

L9 ANSWER 28 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1987:16904 CAPLUS
DOCUMENT NUMBER: 106:16904
TITLE: Subcellular location and properties of **bactericidal** factors from human neutrophils
AUTHOR(S): Gabay, Joelle E.; Heiple, Jeanne M.; Cohn, Zanvil A.; Nathan, Carl F.
CORPORATE SOURCE: Med. Coll., New York, New York, NY, 10021, USA

SOURCE: Journal of Experimental Medicine (1986), 164(5), 1407-21
CODEN: JEMEAV; ISSN: 0022-1007
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The subcellular location of **bactericidal** factors (BF) in human neutrophils was examined by using an efficient fractionation scheme. N2 bomb cavitates of diisopropyl fluorophosphate-treated polymorphonuclear neutrophils (PMN) were centrifuged through discontinuous Percoll gradients, and each fraction was extracted with 0.05 M glycine, pH 2.0, and tested for the killing of Escherichia coli. Greater than 90% of BF coisolated with the azurophil granules. After lysis of azurophils, 98% of azurophil-derived BF (ADBF) sedimented with the membrane. ADBF activity was solubilized from azurophil membrane with either acid or nonionic detergent (Triton X-100, Triton X-114). **Bactericidal** activity was linear with respect to protein concentration over the range 0.3-30 μg/mL. Concs. of 0.1-0.3 μg/mL ADBF killed 105 E. coli within 30 min at 37°. At 1.4 μg/mL, 50% of 2 + 105 bacteria were killed within 5 min. ADBF was effective between pH 5-8, with peak activity at pH 5.5. Glucose (20mM), **EDTA** (1-25 mM), and physiol. concns. of NaCl or KCl had little or no inhibitory effect on ADBF. ADBF killed both gram-pos. and gram-neg. virulent clin. isolates, including listeria, staphylococci, β-hemolytic streptococci, and Pseudomonas aeruginosa. Thus, under these conditions of cell disruption, fractionation, extraction, and assay, almost all BF in human PMN appeared to be localized to the membrane of azurophilic granules as a highly potent, broad-spectrum, rapidly acting protein(s) effective in physiol. medium. Some of these properties appear to distinguish ADBF from previously described PMN **bactericidal** proteins.

L9 ANSWER 29 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1987:152854 CAPLUS
DOCUMENT NUMBER: 106:152854
TITLE: The toxicity of a number of different bactericides to Clavibacter michiganense subsp. michiganense (Smith 1910) Jensen 1934 comb. nov. [basonym Corynebacterium michiganense pv. michiganense (AL)] and to the tomato plant, Lycopersicon esculentum
AUTHOR(S): Thompson, E. T.
CORPORATE SOURCE: Dep. Plant Sci., Univ. Leeds, Leeds, LS2 9JT, UK
SOURCE: Journal of Applied Bacteriology (1986), 61(5), 427-36
CODEN: JABAA4; ISSN: 0021-8847
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Twenty-seven proprietary products and pure chemical were tested in vitro against Clavibacter michiganense michiganense (Smith 1910) Jensen 1934 comb. nov. [basonym Corynebacterium michiganense michiganense (AL)] (the cause of bacterial canker of tomato) and also for their phytotoxicity to tomato plants. The most **bactericidal** of these, with a min. cidal concentration (MCC) range of 10-100 μg/mL, were a phenolic product called Applied 3-78, two quaternary ammonium compds. (benzalkonium chloride and cetrimide), and a silver colloid compound Of these, only Applied 3-78 was not phytotoxic at values of 10 μg/mL or less, although it was phytotoxic at 10,000 μg/mL. Copper oxychloride and sodium hypochlorite were among the group with a middle range of **bactericidal** properties, their MCC range being from 1000 to 10000 μg/mL. They were phytotoxic at 1000 μg/mL or less. When organic matter, a dead yeast suspension, was added to Applied 3-78, Kohrsolin and Panacide, only the activity of Applied 3-78 was relatively unchanged. The MCC ranges were: Applied 3-78, 80-100 μg/mL; Kohrsolin, 800-1000 μg/mL; and Panacide, >1000 μg/mL. Phytotoxicity tests on 10 different tomato cultivars confirmed that Applied 3-78 was the least phytotoxic of these three products. Field trials on tomato crops showed that when Applied 3-78 was sprayed on the plants once, and Kohrsolin was

either sprayed on or they were drenched with it once at 1000 μg/mL, no phytotoxicity symptoms developed.

L9 ANSWER 30 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1989:176483 CAPLUS
DOCUMENT NUMBER: 110:176483
TITLE: Preservative for water based metalworking lubricant-coolant
INVENTOR(S): Klopotek, Alojzy; Wlasiuk, Danuta; Dziala, Gabriela; Romszajd, Jadwiga; Suliga, Marianna; Kozinski, Ryszard
PATENT ASSIGNEE(S): Instytut Chemii Przemyslowej, Pol.
SOURCE: Pol., 5 pp.
CODEN: POXXA7
DOCUMENT TYPE: Patent
LANGUAGE: Polish
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PL 131755	B1	19841231	PL 1981-233443	19811015

PRIORITY APPLN. INFO.: PL 1981-233443 19811015

AB A corrosion-preventing **bactericidal**-fungicidal additive for a metalworking lubricating-cooling fluid consists of **EDTA** tetrasodium salt (I) 0.5-20, formaldehyde (II) 0.5-30, triethanolamine (III) 1-10, NaNO2 0.5-40, and water 51-72.8 weight%. The I-II weight ratio is 1-8:1-6. The additive containing I 2.2, II 8, III 5, NaNO2 20, and water 64.8 weight% was added to the metalworking fluid Antisep Soluble Oil. After 60 days, amount of microorganisms was 3 + 102/cm3. When the nonmodified metalworking fluid was used, 5.3 + 106 bacteria and 3.4 + 104 fungi cells/cm3 were found. When the additive was used, the microbicidal concentration of I and II in the metalworking fluid against Escherichia coli was 0.02 and 0.08 weight%, resp. When only I was used, the **bactericidal** concentration was 1.5 weight%. When only II was used, the corresponding value was 0.25 weight%.

L9 ANSWER 31 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1986:48583 CAPLUS
DOCUMENT NUMBER: 104:48583
TITLE: In vitro growth inhibition of mastitis causing bacteria by phenolics and metal chelators
AUTHOR(S): Chew, B. P.; Tjoelker, L. W.; Tanaka, T. S.
CORPORATE SOURCE: Dep. Anim. Sci., Washington State Univ., Pullman, WA, 99164-6320, USA
SOURCE: Journal of Dairy Science (1985), 68(11), 3037-46
CODEN: JDSCAE; ISSN: 0022-0302
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Antimicrobial activities of 3 phenolic compds. and 4 metal chelators were tested at 0, 250, 500, and 1000 ppm in vitro against 4 major mastitis-causing bacteria, Streptococcus agalactiae, Staphylococcus aureus, Klebsiella pneumoniae, and Escherichia coli. Overall, butylated hydroxyanisole and tert-butylhydroquinone showed the greatest antimicrobial activity. These phenolics were **bactericidal** at 250-500 ppm against all 4 bacteria tested. The butylated hydroxytoluene was **bactericidal** against the gram-pos. bacteria but was ineffective against the coliforms. At 250 ppm, di-Na **EDTA** was **bactericidal** against the gram-pos. bacteria but much less effective against the gram-neg. ones. However, diethylenetriaminepentaacetic acid was more growth inhibitory than **EDTA** against the gram-neg. bacteria and especially against E. coli. All

other compds. were generally much less effective or ineffective against all 4 microorganisms. Therefore, butylated hydroxyanisole, butylated hydroxytoluene, tert-butylhydroquinone, **EDTA**, and diethylenetriaminepentaacetic acid may have practical implications in the prevention or treatment of bovine mastitis.

L9 ANSWER 32 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1984:557705 CAPLUS
DOCUMENT NUMBER: 101:157705
TITLE: Germicide and an improved method for killing bacteria, fungus and/or viruses
INVENTOR(S): Sheets, Richard D.; Huffman, Donald R.
PATENT ASSIGNEE(S): Huntington Laboratories, Inc., USA
SOURCE: U.S., 12 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4464398	A	19840807	US 1981-291984	19810811

PRIORITY APPLN. INFO.: US 1981-291984 19810811

AB A **bactericidal**, fungicidal, and virucidal composition, active in hard water and in the presence of ≤5% organic soil, comprises .apprx.3 parts by weight Me2N+(C13H21)2Cl- [7173-51-5] and .apprx.2 parts by weight PhCH2N+Me2R Cl- (R = C14, C12, and C16 50, 40, and 40%, resp.), and optionally a nonionic detergent, a detergent builder, diluents and(or) other nonactive ingredients. Thus, a formulation contained Me2N+(C10H21)2Cl- (50%) 15, alkylbenzyldimethylammonium chloride (50%) 10, linear primary ethoxylated alc. 5, tetra-Na **EDTA** (38%) 4,33, and distilled H2O 65,67 parts. The **bactericidal** activity was demonstrated.

L9 ANSWER 33 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1984:53567 CAPLUS
DOCUMENT NUMBER: 100:53567
TITLE: **Bactericidal** detergents
PATENT ASSIGNEE(S): Tanpei Seiyaku K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 58117293	A2	19830712	JP 1981-214871	19811231

PRIORITY APPLN. INFO.: JP 1981-214871 19811231

AB Detergents contain a bleaching agent selected from Na percarbonate (I), K percarbonate, Na persulfate, or Na perborate. Thus, a laundering detergent comprised an α-olefinsulfonate 2.5, a soap 1.5, I 4.5, Na citrate 3.0, tetra-Na **EDTA** 0.2, CM-cellulose 0.1, and Na silicate 0.2 g.

L9 ANSWER 34 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1983:493804 CAPLUS
DOCUMENT NUMBER: 99:93804
TITLE: Composition for cleaning and sterilizing ocular and auricular prostheses
INVENTOR(S): Andermann, Guy; Zimmermann, Daniel; Arnold, Noel
PATENT ASSIGNEE(S): Laboratoires POS, Fr.

SOURCE: Fr. Demande, 11 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2517208	A1	19830603	FR 1981-22541	19811202
FR 2517208	B1	19840309		

PRIORITY APPLN. INFO.: FR 1981-22541 19811202

AB Compns. containing 0.001-1% polyhexamethylene biguanide (I) [28757-47-3] are useful for the cleaning and sterilization of prosthetics, especially soft and hard contact lenses without irritating the eye. Thus, a solution was prepared containing I 0.02, di-Na **EDTA** 0.01, poly(vinyl alc.) 1.4, K2HPO4 1.15 and KH2PO4 0.02 g % and water to 100 mL. The **bactericidal** properties of the composition were demonstrated.

L9 ANSWER 35 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1982:498159 CAPLUS
DOCUMENT NUMBER: 97:98159
TITLE: Effect of some components on bacteriostatic activity of some lipoamino acids
AUTHOR(S): Marhnouj, L.; Fourniat, J.; Bourlioux, P.; Roussos, J.; Vitat, J. C.; German, A.
CORPORATE SOURCE: Serv. Microbiol. Ind., Univ. Paris XI, Chatenay-Malabry, F 92240, Fr.
SOURCE: Annales Pharmaceutiques Francaises (1982), 40(1), 3-10
CODEN: APFRAD; ISSN: 0003-4509
DOCUMENT TYPE: Journal
LANGUAGE: French

AB Lipoamino acids, e.g. Lipacid SHU 90 [82708-27-8], Lipacid SHCo 90 (I) [82708-25-6], and Lipacid SHK 90 [82708-26-7], have variable bacteriostatic activity and can be used in cosmetics. Addition of a nonionic or anionic surfactant to these lipoamino acids favored their dissoln., but reduced their antibacterial activity, especially with Gram-neg. bacteria. Addition of salicylic acid [69-72-7] to I increased its bacteriostatic activity; this effect was not modified by EDTA. However, I at pH 7 showed a decrease in its activity against Gram-neg. bacteria, but not change against Gram-pos. bacteria.

L9 ANSWER 36 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1981:482783 CAPLUS
DOCUMENT NUMBER: 95:82783
TITLE: **Bactericidal** soaps
PATENT ASSIGNEE(S): Arubosu Yakusho K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 56030500	A2	19810327	JP 1979-106529	19790820
JP 63020280	B4	19880427		

PRIORITY APPLN. INFO.: JP 1979-106529 A 19790820

AB Cysteines are used as discoloration prevention agents for soaps containing phenolic bactericides. Thus, 10 parts alc. solution containing 2 parts cresol [1319-77-3] and 0.5 parts L-cysteine (I) [52-90-4] was mixed with 40 parts liquid soap containing 35 parts (solids) coconut oil K soap, 3 parts

glycerol, 0.7 part **EDTA** Na salt, perfumes, and water, and after allowing to stand for 1 mo, a good discoloration prevention effect was observed Whereas, a poor effect was observed when 1.5 parts citric acid was used to replace 0.5 part I.

L9 ANSWER 37 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1981:482785 CAPLUS
DOCUMENT NUMBER: 95:82785
TITLE: Soap bar with an antimicrobial activity and process for the reduction of its discoloration
INVENTOR(S): Moesch, Boris
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: Eur. Pat. Appl., 18 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 29805	A1	19810603	EP 1980-810343	19801110
EP 29805	B1	19821020		
R: CH, DE, FR, GB, IT				
US 4326978	A	19820427	US 1980-205823	19801110
AU 8064413	A1	19810521	AU 1980-64413	19801114
BR 8007455	A	19810526	BR 1980-7455	19801114
ZA 8007081	A	19811125	ZA 1980-7081	19801114
JP 56084799	A2	19810710	JP 1980-160125	19801115
ES 496894	A1	19821216	ES 1980-496894	19801115

PRIORITY APPLN. INFO.: CH 1979-10253 A 19791116

AB The light-induced yellowing of soap bars containing halogenated o-hydroxydiphenyl ethers as microbicides is inhibited by the addition of a practically water-insol. silicate such as MgSiO3 and, in some cases, a fatty acid or an N-acylsarcosine. Thus, a soap bar containing 2,4,4'-trichloro-2'-hydroxydiphenyl ether (I) [3380-34-5] 1, **EDTA** Na salt 0.05, TiO2 0.125, and MgSiO3 1% had an 8.4% decrease in whiteness during exposure to light (1750 langley), compared with 13.3% without MgSiO3 and 3.3% without I and MgSiO3.

L9 ANSWER 38 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1980:545827 CAPLUS
DOCUMENT NUMBER: 93:145827
TITLE: Preventing the contamination of electrodes for measuring the pH of bacteria-containing fluids
INVENTOR(S): Blay, George A.
PATENT ASSIGNEE(S): Celanese Corp., USA
SOURCE: Ger. Offen.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2943751	A1	19800514	DE 1979-2943751	19791030
US 4214050	A	19800722	US 1978-957947	19781106
CA 1138931	A1	19830104	CA 1979-336803	19791002
NL 7907631	A	19800508	NL 1979-7631	19791016
JP 55063749	A2	19800514	JP 1979-140006	19791031
JP 63041021	B4	19880815		
FR 2441165	A1	19800606	FR 1979-27046	19791031
FR 2441165	B1	19820827		

BE 879808	A1	19800505	BE 1979-197950	19791105
GB 2037438	A	19800709	GB 1979-38182	19791105
GB 2037438	B2	19830505		

PRIORITY APPLN. INFO.: US 1978-957947 A 19781106

AB A method is described for preventing bacterial contamination of electrodes during the pH determination of anaerobic digestion mixts. by allowing the digestion mixture to remain for a specified time in a chamber containing the electrodes, washing the chamber and electrodes with water, and then filling the chamber with a **bactericidal** solution with a constant pH of 6-8. The ratio of times the chamber is filled with the digestion mixture to the times it is filled with **bactericidal** solution is variable. Thus, the **bactericidal** solution contains 400 ppm di-Na **EDTA** , .apprx.0.7% H2O2 as bactericide, and .apprx.0.05% of an nonionic detergent such as Triton X 100. The **bactericidal** solution is made up in 0.2M phosphate buffer, pH 6.2. The bactericide can also be phenylmercuric acetate. The digestion mixture flowed through the electrode chamber for 18 min and the electrodes were then washed with water for 2 min and placed in the **bactericidal** solution for 38 min. This was followed by another rinsing with water for 2 min. The steps were then repeated at regular intervals.

L9 ANSWER 39 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1980:453729 CAPLUS
DOCUMENT NUMBER: 93:53729
TITLE: GRAS antimicrobial agents for cosmetic products
AUTHOR(S): Kabara, Jon J.
CORPORATE SOURCE: Dep. Biomech., Michigan State Univ., East Lansing, MI, 48824, USA
SOURCE: Journal of the Society of Cosmetic Chemists (1980), 31(1), 1-10
CODEN: JSCCA5; ISSN: 0037-9832
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Lauricidin (I) [142-18-7] is effective against gram-pos. bacteria, yeasts, and some molds, but is ineffective against gram-neg. bacteria. tert-Butylanisole [36731-23-4] and **EDTA** [60-00-4] enhanced the activity of I against gram-neg. bacteria. I in combination with sorbic acid [110-44-1] was more effective than parabens or sorbic acid alone.

L9 ANSWER 40 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1980:17192 CAPLUS
DOCUMENT NUMBER: 92:17192
TITLE: Antimicrobial hydantoin derivative compositions
INVENTOR(S): Shull, Samuel E.; Bennett, Edward O.
PATENT ASSIGNEE(S): Glyco Chemicals, Inc., USA
SOURCE: U.S., 6 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4172140	A	19791023	US 1977-826265	19770819
EP 19670	A1	19801210	EP 1979-300919	19790523
EP 19670	B1	19830622		
R: DE, FR, GB, NL				
CA 1123702	A1	19820518	CA 1979-328468	19790528

PRIORITY APPLN. INFO.: US 1977-826265 A 19770819

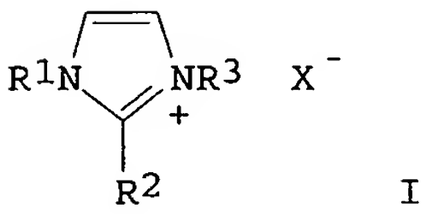
AB 1,3-Dimethylol-5,5-dimethylhydantoin (I) [6440-58-0] compns. containing a chelating agent are used for inhibiting microorganism growth in aqueous media such as metal working fluids and coolants. Thus, different coolants containing a mixture of 2500 ppm I and 500 ppm **EDTA**-di-Na salt

[139-33-3] or **EDTA**-tetra-Na salt [64-02-8] remained 105 days without bacteria or fungi growth, whereas coolants containing 1500 ppm I or 1500 ppm **EDTA** salt showed bacterial and fungal growth after 0.-28 or 0-35 days, resp., depending on the type of coolant.

L9 ANSWER 41 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1977:[illegible] CAPLUS
DOCUMENT NUMBER: 87:195538
TITLE: Imidazolium-chelate antimicrobial agent
INVENTOR(S): Odachi, Neaki
PATENT ASSIGNEE(S): Sakai Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 52102426	A2	19770827	JP 1976-19604	19760224
JP 60005562	B4	19850212		

PRIORITY APPLN. INFO.: JP 1976-19604 A 19760224
GI



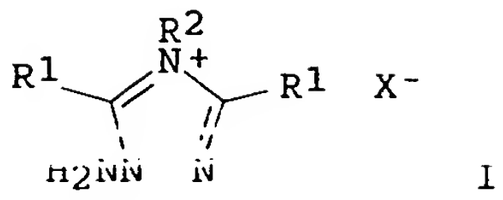
I

AB A mixture of chelating agents and quaternary imidazolium compds. I [R1 = C1-18 alkyl or benzyl; R2 = H, C1-17 alkyl, Ph, or benzyl; R3 = C1-18 alkyl, benzyl, or hydroxyethyl; X = halo or SO4R4(R4 = alkyl) or SO3C6H4Me when R3 = alkyl] controls microbial growth in industrial waters. Thus, a mixture of 1-dodecyl-2-methyl-3-benzylimidazolium chloride (I; R1 = dodecyl; R2 = Me; R3 = benzyl; X = Cl) [21054-72-8] and **EDTA** [60-00-4] (1:2) was added to the water circulating in an industrial cooling system (total water 300 tons, circulation 600 tons/h) at a final concentration of 10 ppm. No microbial counts per 1 mL sample were recorded 1 h after the treatment.

L9 ANSWER 42 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1978:84564 CAPLUS
DOCUMENT NUMBER: 88:84564
TITLE: Antibacterials and fungicides
INVENTOR(S): Kotone, Akira; Hoda, Masahiro; Kimoto, Kazuhisa; Hirano, Sachio; Tsujisaka, Yoshio
PATENT ASSIGNEE(S): Sakai Chemical Industry Co., Ltd., Sakai, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 52076435	A2	19770627	JP 1975-152502	19751218

PRIORITY APPLN. INFO.: JP 1975-152502 A 19751218
GI



I

AB **Bactericidal** and fungicidal compns. contain the aminotriazoliums I [R1 = H, C1-18 alkyl, benzyl or Ph; R2 = C1-18 alkyl, alkenyl, phenacyl, etc.; X = halogen, SO4R4 (R4 = lower alkyl), p-tolylsulfonyl] and chelating agents. Thus, a composition containing 4-amino-1-dodecyl-3,5-dimethyl-1,2,4-triazolium chloride [59944-27-3] and **EDTA** [60-00-4] (1:2) at 10 ppm in water controlled microbial growth. The synthesis of I is given.

L9 ANSWER 43 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1978:99640 CAPLUS
DOCUMENT NUMBER: 88:99640
TITLE: The antibacterial activity of a new chloroxylenol preparation containing ethylenediamine tetraacetic acid
AUTHOR(S): Russell, A. D.; Furr, J. R.
CORPORATE SOURCE: Welsh Sch. Pharm., Univ. Wales Inst. Sci. Technol., Cardiff, UK
SOURCE: Journal of Applied Bacteriology (1977), 43(2), 253-60
CODEN: JABAA4; ISSN: 0021-8847
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A new preparation containing chloroxylenol-**EDTA** mixture (DC) [65394-90-3] was an effective **bactericidal** agent against various gram-pos. and gram.-neg. bacteria, including chlorhexidine, and chloroxylenol-resistant strains of Pseudomonas aeruginosa. DC showed high activity at 20 and 30°, when prepared in hard water, and when used in the presence of organic matter. Repeated testing at 20° with P. aeruginosa indicated that contamination of DC will not be a problem in practice and that the activity of solns. will be retained during storage.

L9 ANSWER 44 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1978:65933 CAPLUS
DOCUMENT NUMBER: 88:65933
TITLE: A comparative investigation of the **bactericidal** and fungicidal effects of chlorhexidine and cetylpyridinium chloride
AUTHOR(S): Hegna, Ida K.
CORPORATE SOURCE: Inst. Pharm., Univ. Oslo, Oslo, Norway
SOURCE: Meddelelser fra Norsk Farmaceutisk Selskap (1977), 39(3), 188-96
CODEN: MNFSAW; ISSN: 0029-1927
DOCUMENT TYPE: Journal
LANGUAGE: English
AB When applied as a disinfectant under soiled and clean conditions, Hibitane (chlorhexidine digluconate) [3697-42-5] (0.05% solution) failed to pass the capacity use dilution test with dithionitethioglycollate broth as a recovery medium. Pyrisept (cetylpyridinium chloride-**EDTA**) [123-03-5] did not pass the test either. In tube dilution tests, however, Pyrisept was more effective than Hibitane, especially against strains of Staphylococcus aureus and Candida albicans. When diluted in 20% serum, both disinfectants lost much of their efficacy, although they displayed some effects on most test strains when the exposure time was prolonged to 2 h. It was not possible to differentiate between the effects of Hibitane and Pyrisept in

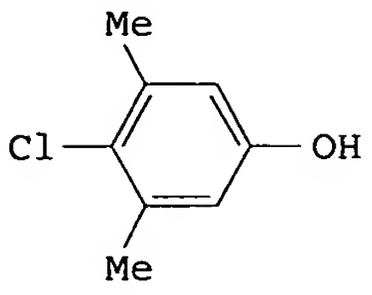
the concns. used.

L9 ANSWER 45 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1977:133383 CAPLUS
DOCUMENT NUMBER: 86:133383
TITLE: In vitro study on the cytotoxic and antimicrobial effects of some root canal irrigating solutions
AUTHOR(S): Hayashi, Hiroyuki
CORPORATE SOURCE: Dep. Endod., Osaka Dent. Univ., Osaka, Japan
SOURCE: Shika Igaku (1976), 39(2), 175-209
CODEN: SIGAAE; ISSN: 0030-6150
DOCUMENT TYPE: Journal
LANGUAGE: Japanese
AB The in vitro cytotoxic and antimicrobial effects of the endodontic irrigating solns., phenol sulfonic acid [1333-39-7] (70%), NaClO [7681-52-9] (10%), **EDTA**-urea-peroxide mixture [62201-25-6], **EDTA**-C (**EDTA**-cetyltrimethyl-ammonium bromide mixture) [62201-26-7] and Chloramine T [127-65-1], and the neutralizing irrigating solns. NaHCO3 [144-55-8] (saturated), H2O2 [7722-84-1] (3%), and NaClO (2.5%). Of the agents, phenol sulfonic acid had the greatest cytotoxicity and had more effective antimicrobial activity than camphorated p-chlorophenol [62201-27 8]. NaClO (10%), **EDTA** urea-peroxide mixture, and H2O2 showed good cytotoxicity. The **EDTA** urea-peroxide mixture, **EDTA**-C, and H2O2 had good antimicrobial activities. Chloramine T, NaHCO3, and 2.5% NaClO showed weak cytotoxic and antimicrobial activities. When phenol sulfonic acid was neutralized with NaHCO3 or 10% NaClO with 3% H2O2, the cytotoxicity decreased. However, when **EDTA** ures-peroxide was neutralized with 2.5% NaClO, the cytotoxicity was greater than that of the former alone. Thus, the neutralizing procedure is important in endodontic procedures.

L9 ANSWER 46 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1977:496691 CAPLUS
DOCUMENT NUMBER: 87:96691
TITLE: A comparison of three commercially available **antiseptics** against opportunist Gram-negative pathogens
AUTHOR(S): Caplin, H.; Chapman, D. C.
CORPORATE SOURCE: Dep. Pathol., Wanstead Hosp., London, UK
SOURCE: Microbios (1976), 16(64), 133-8
CODEN: MCBIA7; ISSN: 0026-2633
DOCUMENT TYPE: Journal
LANGUAGE: English
AB An **antiseptic** based on a 4-chloro-3,5-xylenol-sodium **EDTA** mixture [63688-38-0] was more effective against Escherichia coli, Pseudomonas aeruginosa, and Proteus vulgaris than were 2 other com. available **antiseptics** containing chlorhexidine gluconate [18472-51-0] or a cetrimide-chlorhexidine mixture [63688-37-9]). The chloroxylenol-**EDTA antiseptic** was most active both when tested on skin and when tested in vitro according to the method of Kelsey and Sykes (1969). The skin test indicated that this **antiseptic** possessed the greatest **bactericidal** activity against all 3 gram-neg. microorganisms with regard to both immediate and persistent effects.

L9 ANSWER 47 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1976:145368 CAPLUS
DOCUMENT NUMBER: 84:145368
TITLE: The antibacterial activity of chloroxylenol in combination with ethylenediaminetetraacetic acid
AUTHOR(S): Dankert, J.; Schut, I. K.
CORPORATE SOURCE: Lab. Med. Microbiol. Hosp. Epidemiol., Univ. Groningen, Groningen, Neth.
SOURCE: Journal of Hygiene (1976), 76(1), 11-22

CODEN: JOHYAY; ISSN: 0022-1724
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB The **bactericidal** activity of RBA 777 (a product containing 4.8% 4-chloro-3,5-xylenol (I) [88-04-0] varied with both the cultural and environmental test conditions against Pseudomonas aeruginosa and to a lesser extent against Staphylococcus aureus. The addition of **EDTA** to RBA 777 improved the activity as confirmed in vivo. Previous reports have already illustrated this potential and the present evaluations of the new antibacterial agent DA 136 (a product containing I and disodium **EDTA**) [58798-60-0] confirmed these results to its performance under adverse conditions, often associated with the hospital environment.

L9 ANSWER 48 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1976:91790 CAPLUS
DOCUMENT NUMBER: 84:91790
TITLE: Self-sanitizing film former
INVENTOR(S): McIntosh, Robert H.; Hull, Ezekiel H.
PATENT ASSIGNEE(S): Askew, Anthony B., USA
SOURCE: U.S., 4 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 3928563	A	19751223	US 1974-462717		19740422
US 3705235	A	19721205	US 1971-139265		19710430
PRIORITY APPLN. INFO.:			US 1971-139265	A3	19710430
			US 1972-292792	A2	19720927

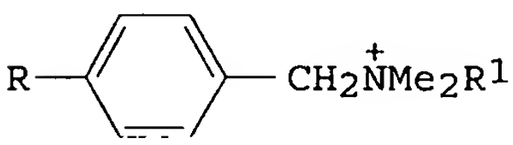
AB Nonionic trialkylamines and(or) metal carboxylates, and(or) **EDTA** [60-00-4] and(or) CdCl2 [10108-64-2] are dispersed in a liquefied plastic which may be applied to a surface as a thin film. The film is fungicidal and **bactericidal**. Thus, an emulsion containing poly(vinyl acetate) (PVA) [9003-20-7] 30 and H2O 70 parts is prepared Three parts sanitizing additive comprising equal amts. dimethyllaurylamine [112-18-5] and barium acetate [543-80-6] is added to the emulsion. The mixture is painted onto plastic discs and dried. The discs inhibit the growth of bacteria and fungi of appropriately impregnated petri dishes. This emulsion may be added to PVA base paints in place of Hg compds. to reduce the formation of mold and other organisms on painted surfaces.

L9 ANSWER 49 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1976:499194 CAPLUS
DOCUMENT NUMBER: 85:99194
TITLE: Disinfectant compositions containing benzalkonium halides
INVENTOR(S): Anon.
PATENT ASSIGNEE(S): USA

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 50132126	A2	19751020	JP 1974-42070	19740413

PRIORITY APPLN. INFO.: JP 1974-42070 A 19740413
GI



I

AB Concentrated compns. containing 0.1-1.0 weight % I (R = H, Me, or Et; R1 = C8-18 alkyl groups; X = halogen) as the active ingredient and 99.0-99.9 weight % inactive components are effective disinfectants for gram-pos. and -neg. bacteria, including Pseudomonas aeruginosa, Staphylococcus aureus, Escherichia coli and others. Thus, a disinfectant composition was prepared by mixing 0.125 weight % I (R = Et; R1 = mixture of C12, C14, C16, and C18; X = Cl) and 0.090 weight % di-Na salt of **EDTA** with 99.785 weight % of an inactive component, containing N-coco-β-aminopropionate surfactant (4.78%), glycerol (4.07%), triethanolamine (0.148%), **EDTA** (0.108%), and H2O (90.779%). The **bactericidal** effect of a water suspension containing 500 ppm of the above disinfectant composition on Staphylococcus aureus was .apprx.100%.

L9 ANSWER 50 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1975:160201 CAPLUS
DOCUMENT NUMBER: 82:160201
TITLE: Antimicrobial and stabilizing effects of disodium **EDTA**
AUTHOR(S): Plishko, N.
CORPORATE SOURCE: USSR
SOURCE: Svinovodstvo (Moscow) (1975), (1), 26-7
CODEN: SVINAI; ISSN: 0039-713X
DOCUMENT TYPE: Journal
LANGUAGE: Russian

AB Addition of Na2EDTA [139-33-3] stabilized penicillin prepns. (prolonged antibiotic activity) during storage in liquid or complex dry media at temps. ≤26° and exerted antimicrobial activity against common bacteria, especially Bacillus subtilis. Na2EDTA may be useful as an antimicrobial agent in sperm prepns.

L9 ANSWER 51 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1974:458712 CAPLUS
DOCUMENT NUMBER: 81:58712
TITLE: Effect of ethylenediaminetetraacetic acid and related chelating agents on whole cells of gram-negative bacteria
AUTHOR(S): Haque, H.; Russell, A. D.
CORPORATE SOURCE: Welsh Sch. Pharm., Univ. Wales Inst. Sci. Technol., Cardiff, UK
SOURCE: Antimicrobial Agents and Chemotherapy (1974), 5(5), 447-52
CODEN: AMACCQ; ISSN: 0066-4804
DOCUMENT TYPE: Journal

LANGUAGE: English

AB The viability of gram-neg. bacteria was diminished by chelating agents in the following decreasing order of activity: cyclohexane-1,2-diaminotetraacetic acid [482-54-2] > ethylenediaminetetraacetic acid disodium salt [139-33-3] > N-hydroxyethylethylenediaminetriacetic acid [150-39-0] > iminodiacetic acid [142-73-4] > nitriloacetic acid [139-13-9]. The activities of the compds. on viability, cell lysis, and release of intracellular materials appeared to be related to their chelating ability. Pseudomonas aeruginosa was the most susceptible of the bacterial strains used.

L9 ANSWER 52 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1974:122708 CAPLUS
DOCUMENT NUMBER: 80:122708
TITLE: Liquid soap composition
INVENTOR(S): Miyazaki, Masayuki; Katsumi, Mamoru
PATENT ASSIGNEE(S): Kao Soap Co., Ltd.
SOURCE: Jpn. Tokkyo Koho, 3 pp.
CODEN: JAXXAD
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 48029286	B4	19730908	JP 1969-31173	19690422

PRIORITY APPLN. INFO.: JP 1969-31173 19690422

AB **Bactericidal** liquid cleaners for skin were prepared from soaps 5-50, tertiary ammonium salts of saccharic acids, mono- or disulfonaphthalene, or sulfotoluene 1-10, and water 40-94%. Thus, a stable cleaner comprised benzalkonium saccharate 5, K laurate 20, **EDTA** Na salt 1, and water 74%.

L9 ANSWER 53 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1973:47831 CAPLUS
DOCUMENT NUMBER: 78:47831
TITLE: Self-sanitizing polyolefin thermoplastic material
INVENTOR(S): McIntosh, Robert H.; Hull, Ezekiel H.
PATENT ASSIGNEE(S): Predicted Environments, Inc.
SOURCE: U.S., 3 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 6
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3705235	A	19721205	US 1971-139265	19710430
US 3896101	A	19750722	US 1971-199327	19711116
US 3920836	A	19751118	US 1973-427382	19731221
US 3928563	A	19751223	US 1974-462717	19740422
US 3919410	A	19751111	US 1974-478109	19740610
US 4110504	A	19780829	US 1976-696219	19760615

PRIORITY APPLN. INFO.: US 1971-139265 A2 19710430
US 1972-292772 A1 19720922
US 1972-292792 A1 19720927
US 1974-478109 A2 19740610
US 1975-571717 A1 19750425

AB Material and articles (mattress covers, urinals, tubing) protected against fungus and bacteria (both gram-pos. and -neg. including Pseudomonas aeruginosa) were formed from thermoplastic resin, e.g. polyethylene, pellets tumble-mixed with 0.5-10 (10-7 preferred)% additive composed of

70-50 parts nonionic trialkylamine, e.g. dimethyllaurylamine, and 30-50 parts metal salts (from Group II A or B) of a monocarboxylic acid having 1-4 C, CaCl2 or **EDTA** and salts thereof, e.g. Ba acetate.

L9 ANSWER 54 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1973:155411 CAPLUS
DOCUMENT NUMBER: 78:155411
TITLE: **Bactericidal** bisbiguanide salts
INVENTOR(S): Stephenson, Ronald Arthur; Laursen, Bente Lissy; Mattson, Ove Henning
PATENT ASSIGNEE(S): Kemanord AB
SOURCE: Ger. Offen., 97 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2223766	A	19721214	DE 1972-2223766	19720516
SE 370003	B	19740930	SE 1971-6431	19710518
ZA 7203225	A	19730328	ZA 1972-3225	19720512
FI 58423	B	19801031	FI 1972-1371	19720515
FI 58423	C	19810210		
BE 783598	A1	19720918	BE 1972-117586	19720517
NL 7206762	A	19721121	NL 1972-6762	19720518
FR 2157775	A1	19730608	FR 1972-17941	19720518
GB 1381361	A	19750122	GB 1972-23331	19720518
US 3888947	A	19750610	US 1972-254440	19720518
CA 1003750	A1	19770118	CA 1972-142666	19720518
JP 59011562	B4	19840316	JP 1972-49508	19720518

PRIORITY APPLN. INFO.: SE 1971-6431 A 19710518
AB Salts of bisbiguanides with sequestering amino acids showed improved water solubility and increased **bactericidal** activity compared with the free bases. Thus, N-(hydroxyethyl)ethylenediaminetriacetic acid chlorhexidine salt (I) [40497-97-0], dissolved in water with aid of cetyltrimethylammonium bromide [57-09-0], was **bactericidal** toward Pseudomonas aeruginosa at 90 ppm. The salts may be used as disinfectants or applied topically, orally, perlingually, or rectally.

L9 ANSWER 55 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1974:66947 CAPLUS
DOCUMENT NUMBER: 80:66947
TITLE: Effect of **EDTA** on Pseudomonas aeruginosa
AUTHOR(S): Sack, Lia S.; Corvalan, Jose E.
CORPORATE SOURCE: Fac. Cienc. Med., Univ. Nac. Cordoba, Cordoba, Argent.
SOURCE: Revista de la Facultad de Ciencias Medicas de Cordoba (1972), 30(3), 325-7
CODEN: RFCMAW; ISSN: 0014-6722
DOCUMENT TYPE: Journal
LANGUAGE: Spanish
AB Disodium **EDTA** [139-33-3] (18.6 μg/ml) was the min. concentration required for **bactericidal** activity with culture of P. aeruginosa grown in trypstose agar, whereas 9.3 μg/ml disodium **EDTA** was the min. concentration required for bacteriostatic activity.

L9 ANSWER 56 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1972:87547 CAPLUS
DOCUMENT NUMBER: 76:87547
TITLE: Light **bactericidal** soaps
INVENTOR(S): Bloching, Helmut; Werner, Lothar; Schneider, Werner
PATENT ASSIGNEE(S): Henkel und Cie. G.m.b.H.
SOURCE: Ger. Offen., 8 pp.

CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2020968	A	19711118	DE 1970-2020968	19700429
DE 2020968	B2	19770825		

PRIORITY APPLN. INFO.: DE 1970-2020968 A 19700429

AB The title soaps of high resistance to discoloration and formation of unpleasant odor contained di-Na 4,4'-bis(2-sulfonatostyryl)biphenyl (I) [27344-41-8] whitening agent 0.01-0.05, 2-hydroxy-2',4,4'-trichlorodiphenyl ether (II) [3380-34-5] bactericide 0.5-1, Na ethylenediaminetetraacetate complex forming agent 0.23-0.54%, and 0.2-1% reducing agent, e.g. Na sulfite. Thus, an 80:20 Na soap mixture of tallow fatty acid and coconut fatty acid containing I 0.02, II 1, Na2SO3 0.2, and Na salt of **EDTA** 0.23% did not significantly change its color after 5 days exposure to daylight.

L9 ANSWER 57 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1973:12043 CAPLUS
DOCUMENT NUMBER: 78:12043
TITLE: Effect of protein synthesis inhibitor on bacterial multiplication
AUTHOR(S): Gastaldi, G.; Mattiello, A.
CORPORATE SOURCE: Lab. Anal. Chim. Clin. Microbiol., Osp. Galliera Genova, Genoa, Italy
SOURCE: Pathologica (1971), 63(923-924), 223-31
CODEN: PATHAB; ISSN: 0031-2983
DOCUMENT TYPE: Journal
LANGUAGE: Italian

AB The protease inhibitor Trasylol [9004-04-0] inhibited the growth of several species of gram-pos. bacteria in vitro when added to the medium at 11-14 μg/ml; growth of gram-neg. bacteria was inhibited by 28-42 μg Trasylol/ml. Addition of di-Na **EDTA** [139-33-3] to the medium (final comcn. 0.1%) reduced to 14 μg/ml the concentration of Trasylol required to inhibit the growth of all the gram-neg. bacteria studied. The s.c. injection of Trasylol (140 μg every 6 hr) into mice infected with type I Diplococcus pneumoniae significantly prolonged the survival time.

L9 ANSWER 58 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1972:68568 CAPLUS
DOCUMENT NUMBER: 76:68568
TITLE: Ethylenediaminetetraacetic acid
AUTHOR(S): Russell, Allan Denver
CORPORATE SOURCE: Welsh Sch. Pharm., Univ. Wales Inst. Sci. Technol., Cardiff, UK
SOURCE: Inhibition Destruct. Microbial Cell (1971), 209-24. Editor(s): Hugo, William B. Academic: London, Engl.
CODEN: 24DVA2
DOCUMENT TYPE: Conference; General Review
LANGUAGE: English

AB A review of the antibacterial activity of **EDTA** (I) [60-00-4] and its effects on yeast protoplasts with 119 refs.

L9 ANSWER 59 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1964:59557 CAPLUS
DOCUMENT NUMBER: 60:59557
ORIGINAL REFERENCE NO.: 60:10392a-c
TITLE: **Bactericidal**, viruscidal, antiparasitic, and cytotoxic compositions for water purification
INVENTOR(S): Colobert, Louis; Cier, Andre; Notre, Claude

PATENT ASSIGNEE(S): Societe EGEMA, S.A.
SOURCE: 16 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BE 626516		19680415	BE	
GB 1034433			GB	
PRIORITY APPLN. INFO.:			FR	19620112

AB The compns. consist of an enediol, especially ascorbic acid, and the ions of a metal of the transition series, especially Cu or Fe, and, if desired, a chelating compound for the metal, in a medium containing mol. O. Thus, 1.66 mg. CuSO4.SH2O and 35.2 mg. ascorbic acid gave an average dose with suitable effectiveness in assuring the biol. purification of aerated water having the chemical and organoleptic properties of drinking water. This dose completely destroys in 10 min. the following amount of contaminants in 1 l. H2O: ≥106 Escherichia coli, the vegetative form of Bacillus subtilis, Streptococcus faecalis, Salmonella typhosa, S. paratyphi A, S. schott-muelleri, Sarcina fiava, Vibrio comma, Shigella dysenteriae, S. flexneri, Proteus vulgaris, Staphylococcus aureus, etc. It was also effective against poliomyelitis virus, etc. The above dose was not sufficient to prevent germination of spores of B. subtilis. After ≥ 10 min., the activity of the above mixture was stopped by adding 3.5 mg. of di-Na **EDTA** dihydrate (an amount slightly more than an equimolar amount with respect to the Cu), 3.2 mg. cystine, or 2.0 mg. histidine. The H2O was taken up when the chelating agent was dissolved.

L9 ANSWER 60 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1966:448845 CAPLUS
DOCUMENT NUMBER: 65:48845
ORIGINAL REFERENCE NO.: 65:9187a-b
TITLE: Cleaning agent for automobiles, etc.
PATENT ASSIGNEE(S): Dow Chemical Co.
SOURCE: 12 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
NL 6510542		19660215	NL	
PRIORITY APPLN. INFO.:			US	19640814

AB A cleaning agent is described for removal of loosely attached mineral deposits, e.g. from automobiles, without mech. action. It can be applied as an aqueous dispersion and removed with the deposit after a short time (2 min.) by flushing with low-pressure H2O. It is composed of a chelating agent (I) and a wetting agent. Secondary compds. may be present. It should be capable of cation exchange at a pH of .apprx.7. It is originally loaded with alkali metal ions, ammonia, or lower alkanolamines. Thus, a cleaning agent was prepared from a com. concentrate of tetra-Na **EDTA** (II) containing 34.2 weight % II and 4.5 weight % impurities, 1.35 weight % sulfonated dodecyldiphenyl oxide (III), and 0.06 weight % impurities in III, in H2O. Use of monochlorinated III gives addnl. **bactericidal** activity.

L9 ANSWER 61 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1963:82412 CAPLUS
DOCUMENT NUMBER: 58:82412
ORIGINAL REFERENCE NO.: 58:14197d-f,14198a
TITLE: Antimicrobial treatment of textiles and similar

organic materials
INVENTOR(S): Mendelsohn, Meyer; Horowitz, Carl; Horowitz, Carl
PATENT ASSIGNEE(S): Yardney International Corp.
SOURCE: 4 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3079213		19630226	US	19591211

AB Textiles and textile fibers of natural or synthetic origin, cellulosic or plastic resinous sheets, and similar organic materials are treated to prevent destruction by a wide range of microorganisms. Also they are no longer carriers of disease-bearing bacteria. Finished garments, as well as fibers and fabrics, may be treated. A mixture of a H2O-soluble Zn salt, a chelating agent, and an aminating or fixing agent is prepared, and its aqueous solution is used to immerse the organic material. Tetra-Na salt **EDTA** 1, ZnCl2 22, NaOAc 5, H3BO3 1, Miranol CM concentrate 2, and urea 31 parts are well mixed. Thirty g. of this mixture is dissolved in 1 l. of H2O at 70°. Knitted cotton socks treated in the bath for 10 min., extracted, rinsed, and dried gave excellent inhibition of bacterial growth. The inhibition qualities were retained after as many as 50 washing-machine cycles. Any H2O-so. Zn salt may be used, as well as any amine provided its dissociation constant is >1 + 10-14.

L9 ANSWER 62 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1963:39383 CAPLUS
DOCUMENT NUMBER: 58:39383
ORIGINAL REFERENCE NO.: 58:6653g-h
TITLE: Antibacterial and antifungal compositions
INVENTOR(S): Sanders, Robert G.; Church, Brooks D.
PATENT ASSIGNEE(S): Warner-Lambert Pharmaceutical Co.
SOURCE: 4 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3072529		19630108	US	19570719

AB 5-Aminohexahydropyrimidines, e.g. 1,3-bis(2-ethylhexyl)-5-methyl-5-aminohexahydropyrimidine, possess antibacterial and antifungal properties; however, the effective concentration may cause undesirable irritation or local anesthetic side effects. The addition of compds. which chelate metals, such as **EDTA** and its salts, to compns. containing substituted hexahydropyrimidines potentiates their activity and permits a substantial reduction in concentration

L9 ANSWER 63 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1963:438543 CAPLUS
DOCUMENT NUMBER: 59:38543
ORIGINAL REFERENCE NO.: 59:6936d
TITLE: Fungicidal and **bactericidal** treatment of fibers and organic materials
INVENTOR(S): Mendelsoln, Meyer
PATENT ASSIGNEE(S): Vardney International Corp.
SOURCE: 4 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

DE 1146618 19630404 DE
PRIORITY APPLN. INFO.: US 19580602
AB Cellulose, protein, and similar compds. are given permanent resistance to microorganisms by treatment with a Zn salt solution containing a sequestrant and
an amine. Thus, cotton cloth soaked for 10 min. at 50° in a solution containing 50 g./l. of a mixture of tetra Na EDTA 1, ZnCl2 25, NaOAc 7, H3BO3 1, a quaternary detergent 2, and urea 33 parts was stil I resistant toward attack by microorganisms after 50 washings.

L9 ANSWER 64 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1961:67234 CAPLUS
DOCUMENT NUMBER: 55:67234
ORIGINAL REFERENCE NO.: 55:12783c-e
TITLE: **Antiseptics** and disinfectants
INVENTOR(S): Stothart, Sydney N. H.; Beecroft, Geoffrey C.
PATENT ASSIGNEE(S): Reckitt & Sons Ltd.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 858030		19610104	GB	

AB **Antiseptic** and disinfectant formulations based on **bactericidal** phenol derivs. are improved by the addition of organic sequestering agents and monoethanolamine (I) or triethanolamine. Thus, a solution of 2-benzyl-4-chlorophenol 1.0, ethylenediaminetetraacetic acid (**EDTA**) 8.0, castor-oil fatty acid 3.3, I 7.2, industrial methylated spirit 32.0, and H2O to make 100% was effective against Salmonella typhosa and Pseudomonas aeruginosa in 10 min. at a dilution of 1 in 565 and 380, resp. In the absence of **EDTA** and the amine, P. aeruginosa was killed only at a dilution of 1 in 1.5.

L9 ANSWER 65 OF 65 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1955:80075 CAPLUS
DOCUMENT NUMBER: 49:80075
ORIGINAL REFERENCE NO.: 49:15116d-h
TITLE: Antifungal substances. IV. Comparison of antifungal activities of some synthetic drugs
AUTHOR(S): Shibasaki, Isao; Terui, Gyozo
CORPORATE SOURCE: Osaka Univ.
SOURCE: Hakko Kogaku Zasshi (1955), 33, 216-23
CODEN: HKZAA2; ISSN: 0367-5963
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. C.A. 48, 5276f, 12886a. 2,4-Hexadienoic acid (I), benzoic acid (II), p-phenylphenol (III), p-benzylphenol (IV), hydroxymethylisopropylbenzene (V), **EDTA** disodium salt (VI), hinokitiol (VII), and acid fraction of thuja (VIII) were examined for their antimicrobial spectra. The antimicrobial activity was on bacteria in the decreasing order: III, IV, V, VII, VIII, II, VI, and I, and that on fungi and yeasts III, VII, IV, VIII, V, II, VI, and I. VII, VIII, and VI readily chelated with metallic ions in the medium and thus gave varied activity. I and II increased their activity with decrease of pH value, while III, IV, and V showed slight variation. VII rapidly decreased the activity below pH 5.5. In application to com. soy sauce infected with Zygosaccharomyces, the activity was Bu p-hydroxybenzoate (IX) 1, III 4, IV and VIII 1, V 0.5, benzoyl peroxide (X) less than 0.5, I 0.2, VII 0.1, III 0.01, and alkyldimethylbenzylammonium chloride (XI) 8. For fermented soybean paste, I and II were most effective due to low pH. Other compds. including vitamins K3 and K5 and dehydroacetic acid (XII) were antagonized by the constituents of the paste, particularly by protein. For com. grape juice,

1:4 + 103 I, 1:103 XII, 1:103 II, 1:104 IX, 1:104 IV, 1:5 + 103 V, and 1:105 pentachlorphenol (XIII) were effective, and for com. orange juice 1:103 I 1:4 + 103 XII, 1:103 II, 1:2 + 104 vitamin K3, 1:2 + 104 vitamin K5, 1:104 IX, 1:2 + 104 III, 1:2 + 104 IV, and 1:5 + 104 XIII were effective. For paste from marine animals, IX and IV showed some antimicrobial activity in higher concentration in single use while others did not, except VI which was considerably effective. In combination with conventionally employed nitrofurazone (1:5 + 104), 1:3 + 103, IX, 1:5 + 102 XII, and 1:5 + 102 VI suppressed the growth of bacteria and fungi for 24-48 h.

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(FILE 'HOME' ENTERED AT 12:56:57 ON 10 MAR 2005)

FILE 'CAPLUS, REGISTRY' ENTERED AT 12:57:26 ON 10 MAR 2005
E TETRASODIUM EDTA
E TETRASODIUM ETHYLENEDIAMINETETRAACETIC ACID
L1 3 S E3
L2 83924 S ETHYLENEDIAMINETETRAACETIC ACID
E SALT OF ETHYLENEDIAMINETETRAACETIC ACID
L3 13818 S L2 AND SALT
L4 167 S L3 AND ANTISEPTIC
L5 81192 S EDTA
L6 1 S ANTISEPTIC COMPOSITIONS OF EDTA
L7 390 S L5 AND ANTISEPTIC?
L8 65 S L7 AND BACTERICIDAL?
L9 65 DUP REM L8 (0 DUPLICATES REMOVED)

=> FIL CAPLUS REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	291.92	292.13

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-47.45	-47.45

FILE 'CAPLUS' ENTERED AT 13:22:26 ON 10 MAR 2005
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=> e tetrasodium EDTA/CN
REG1stRY INITIATED
Substance data EXPAND from CAS REGISTRY in progress...

E1	1		TETRASODIUM DODECACARBONYLTETRARUTHENATE(4-)/CN
E2	1		TETRASODIUM EDETATE/CN
E3	1	-->	TETRASODIUM EDTA/CN
E4	1		TETRASODIUM EDTA (AND) SODIUM DIHYDROXYETHYLGLYCINATE/CN
E5	1		TETRASODIUM EPOXYETHANE 1,1-DIPHOSPHONATE/CN
E6	1		TETRASODIUM ETHANE-1,2-DICARBOXY-1,2-DIHYDROXY-1,2-DIPHOSPHONATE/CN
E7	1		TETRASODIUM ETHENETETRACARBOXYLATE/CN
E8	1		TETRASODIUM ETHENYLIDENEBIS(PHOSPHONATE)/CN
E9	1		TETRASODIUM ETHYLENE 1,1-DIPHOSPHONATE/CN
E10	1		TETRASODIUM ETHYLENEBIS(IMINODITHIOCARBONATE)/CN
E11	1		TETRASODIUM ETHYLENEDIAMINE-N,N,N',N'-TETRAACETATE/CN
E12	1		TETRASODIUM ETHYLENEDIAMINEDISUCCINATE/CN

=> s e3 or e2
REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L2 3397 L1

REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

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L4          3397 L3


L5          3397 L2 OR L4

=> s disinfect or steril or antimicrob?
             985 DISINFECT
             177 DISINFECTS
            1149 DISINFECT
                   (DISINFECT OR DISINFECTS)
             241 STERIL
           57124 ANTIMICROB?
L6         58464 DISINFECT OR STERIL OR ANTIMICROB?

=> d hist

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     FILE 'CAPLUS, REGISTRY' ENTERED AT 14:54:59 ON 10 MAR 2005

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                E TETRASODIUM EDTA/CN

     FILE 'CAPLUS' ENTERED AT 14:55:21 ON 10 MAR 2005
                S E3 OR E2

     FILE 'REGISTRY' ENTERED AT 14:55:55 ON 10 MAR 2005
L1              1 S E3/CN

     FILE 'CAPLUS' ENTERED AT 14:55:55 ON 10 MAR 2005
L2           3397 S L1

     FILE 'REGISTRY' ENTERED AT 14:55:56 ON 10 MAR 2005
L3              1 S E2/CN

     FILE 'CAPLUS' ENTERED AT 14:55:56 ON 10 MAR 2005
L4           3397 S L3
L5           3397 S L2 OR L4
L6          58464 S DISINFECT OR STERIL OR ANTIMICROB?

=> s L4 and L6
L7             62 L4 AND L6

=> dup rem
ENTER L# LIST OR (END):L7
PROCESSING COMPLETED FOR L7
L8             62 DUP REM L7 (0 DUPLICATES REMOVED)

=> d 1-62 ABS IBIB

L8   ANSWER 1 OF 62  CAPLUS  COPYRIGHT 2005 ACS on STN
AB   Antiseptic compns. comprise at least one salt of EDTA are disclosed.
     These compns. have broad spectrum antimicrobial and antifungal
     activity and they also have anticoagulant properties.  The antiseptic
     compns. have also demonstrated activity in penetrating and breaking down
     microbial slime, or biofilms.  They are safe for human and medical uses
     and may be used as prophylactic prepns. to prevent infection, or to reduce
     the proliferation of and/or eliminate existing or established infections.
     On testing tetra- and tri-sodium EDTA were chosen as the most promising
     candidates.  Solns. of these salts were used to disinfect
     catheters.
ACCESSION NUMBER:         2004:473365  CAPLUS
DOCUMENT NUMBER:          141:28757
```

TITLE: Antiseptic compositions containing EDTA salts for medical devices
INVENTOR(S): Kite, Peter; Hatton, David
PATENT ASSIGNEE(S): Aseptica, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 36 pp., Cont.-in-part of U.S. Pat. Appl. 2004 47,763.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004110841	A1	20040610	US 2003-659413	20030910
US 2004047763	A1	20040311	US 2002-313844	20021205
WO 2004108093	A2	20041216	WO 2004-US18009	20040604

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:		
US 2001-338639P	P	20011205
US 2002-313844	A2	20021205
US 2003-476274P	P	20030604
US 2003-659413	A	20030910

L8 ANSWER 2 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB Lubricating solns. are used on conveying systems in the beverage industry during the filling of containers with beverages. Lubricating compns. of the present invention, especially those designed for use in beverage conveying systems for contained beverages, comprise at least the following components: (a) an alkyl alkoxylated (e.g., ethoxylated or propoxylated, preferably ethoxylated) phosphate ester, (b) aryl (e.g., aromatic, such as phenol) alkoxylated (e.g., ethoxylated or propoxylated) phosphate ester, (c) an aromatic or linear quaternary ammonium **antimicrobial** agent, and (d) a liquid carrier, such as water. These lubricating solns. are capable of providing good lubricity and **antimicrobial** activity over a prolonged time.

ACCESSION NUMBER: 2004:523108 CAPLUS
DOCUMENT NUMBER: 141:56857
TITLE: **Antimicrobial**, beverage compatible conveyor lubricant
INVENTOR(S): Besse, Michael E.; Herdt, Joy G.; Person Hei, Kimberly L.
PATENT ASSIGNEE(S): Ecolab Inc., USA
SOURCE: U.S., 14 pp., Cont.-in-part of U.S. Ser. No. 2,976, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6756347	B1	20040629	US 1999-227593	19990108

PRIORITY APPLN. INFO.:		
US 1999-2976	B2	19990108

REFERENCE COUNT: 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The invention relates to disinfecting articles of medicinal designation, compartments, sanitary-tech. equipment, patient care articles, dishware and laboratory glassware. The agent comprises the following components: alkyldimethylbenzyl ammonium chloride, didecyldimethyl ammonium chloride, non-ionogenic surface-active substance, glutaraldehyde, glyoxal, Pr alc., iso-Pr alc., propylene glycol, Trilon, dye and water taken in the definite ratio. The disinfecting agent elicits enhanced activity with respect to gram-neg. and gram-pos. microorganisms, fungi of genus Candida and Trichophyton and viruses and exhibits the enhanced detergent properties, enhanced antibacterial activity, prolonged storage of working solution up to 14 days and high foam precipitation rate in 1% solution also.

ACCESSION NUMBER: 2004:643741 CAPLUS
DOCUMENT NUMBER: 141:179619
TITLE: Disinfecting agent
INVENTOR(S): Borodyanskii, L. I.; Vetkina, I. F.; Il'in, I. Yu.; Solov'eva, M. A.
PATENT ASSIGNEE(S): Russia
SOURCE: Russ., No pp. given
CODEN: RUXXE7
DOCUMENT TYPE: Patent
LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RU 2230574	C1	20040620	RU 2002-128796	20021029

PRIORITY APPLN. INFO.: RU 2002-128796 20021029

L8 ANSWER 4 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The present innovation deals with **antimicrobial** prepns. for treating acute post partum endometritis in cows and methods for their application. The suggested preparation included **antimicrobial** substance quinosol and, addnl., it contained hydrogen peroxide, carbacholine, distilled water, Me cellulose and Trilon B at the following ratio of components (g/L): quinosol 1.5-2.5, hydrogen peroxide 2.0-3.0, carbacholine 0.5-1.0, Me cellulose 10-15, Trilon B 0.5-1.5, and the balance water. The method for treating acute post partum endometritis in cows deals with introducing preparation including **antimicrobial** substance at the dosage of 50-100 mL once daily for 3-5 days. The suggested innovation was less expensive, shortened terms of therapy by 1.8-2.0 times and quantity of sterility days by 1.4 times.

ACCESSION NUMBER: 2004:242645 CAPLUS
DOCUMENT NUMBER: 140:412308
TITLE: Preparation for treating acute post partum endometritis in cows and method for its application
INVENTOR(S): Popov, Yu. G.; Dol'nikova, M. N.; Drovosekov, N. A.; Smirnova, L. V.; Bidyukova, V. A.
PATENT ASSIGNEE(S): Zakrytoe Aktsionernoe Obshchestvo "ROSVETFARM", Russia
SOURCE: Russ., No pp. given
CODEN: RUXXE7
DOCUMENT TYPE: Patent
LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RU 2224509	C2	20040227	RU 2001-122151	20010807

PRIORITY APPLN. INFO.: RU 2001-122151 20010807

L8 ANSWER 5 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB An **antimicrobial** agent which controls spores, in combination with chelating agent, metallic compound, NaCl, and ethanol dissolved in water are adjusted to an extremely low pH. The product is useful in food, and pharmaceutical industries.

ACCESSION NUMBER: 2004:198530 CAPLUS
DOCUMENT NUMBER: 140:212513
TITLE: Alcoholic antimicrobial agents containing chelating agent and metallic compound useful in food and pharmaceutical industries
INVENTOR(S): Taguchi, Fumiaki; Kida, Naka
PATENT ASSIGNEE(S): Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004075659	A2	20040311	JP 2002-269221	20020812

PRIORITY APPLN. INFO.: JP 2002-269221 20020812

L8 ANSWER 6 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB An aqueous polymer emulsion composition resistant to biodeterioration comprises an aqueous polymer emulsion combined with a cationic compound and an ethylenediamine acid compound of the structure R1R2N-CH2CH2-NR3R4, where R1, R2 and R3 are independently H, C1-C12-alkyl, (CH2)nCOOH; R4 is (CH2)nCOOH; n is from 1 to 8; or a mono-, di-, tri- or tetra-salt of the ethylenediamine acid compound, the polymer emulsion addnl. comprising at least one surfactant and/or anionic constituents. The cationic compound is selected from pyridinium salts, tetraalkylammonium salts, polymeric biguanides, biguanides, polymeric cationic compds., benzalkonium compds., and their mixts., the pyridinium salts being salts of pyridinium substituted with alkyl, cycloalkyl, or aryl group containing from 2 to 18 carbon atoms, and each alkyl group in the tetraalkylammonium compound being independently a C1-C18-alkyl group. The mixts. of the cationic compound and the ethylenediamine acid compound show synergistic antibacterial and antifungal effects and are especially useful in aqueous emulsion adhesive and coating compns. based on ethylene-vinyl chloride copolymer, 2-ethylhexyl acrylate-vinyl acetate copolymer, poly(vinyl acetate), Bu acrylate-vinyl acetate copolymer, ethylene-vinyl acetate copolymer, polyacrylates, and acrylate-styrene copolymers.

ACCESSION NUMBER: 2004:1011989 CAPLUS
DOCUMENT NUMBER: 142:7346
TITLE: Aqueous polymer emulsions resistant to biodeterioration
INVENTOR(S): Rabasco, John Joseph; Sagl, Dennis
PATENT ASSIGNEE(S): Air Products Polymers, L.P., USA
SOURCE: Eur. Pat. Appl., 14 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1479719	A1	20041124	EP 2004-11691	20040517
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
US 2004235982	A1	20041125	US 2003-441806	20030519

PRIORITY APPLN. INFO.: US 2003-441806 A 20030519
OTHER SOURCE(S): MARPAT 142:7346

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB EPA is adding a new section to part 180 to list the pesticide chems. that are exempt from the requirement of a tolerance when used in food-contact surface sanitizing solns. This list of exempt pesticide chems. is duplicated from the Food and Drug Administration's (FDA) regulations in 21 CFR 178.1010. Addnl., EPA is redesignating/reorganizing CFR 180.1001.

ACCESSION NUMBER: 2004:449950 CAPLUS
DOCUMENT NUMBER: 141:394317
TITLE: Pesticides; tolerance exemptions for active and inert ingredients for use in **antimicrobial** formulations (food-contact surface sanitizing solutions)
CORPORATE SOURCE: Environmental Protection Agency, USA
SOURCE: Federal Register (2004), 69(82), 23113-23142, 28 Apr 2004
CODEN: FEREAC; ISSN: 0097-6326
PUBLISHER: Superintendent of Documents
DOCUMENT TYPE: Journal
LANGUAGE: English

L8 ANSWER 8 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The invention provides methods and compns. for the prevention and treatment of bacterial infections. The methods are based on the discovery that depletion of bioavailable iron stimulates surface motility in bacteria thus inhibiting the ability of a bacterial population to develop into a biofilm.

ACCESSION NUMBER: 2003:855763 CAPLUS
DOCUMENT NUMBER: 139:345895
TITLE: Methods using metal chelators for inhibiting and treating bacterial biofilms
INVENTOR(S): Singh, Pradeep K.; Welsh, Michael J.; Greenberg, E. Peter
PATENT ASSIGNEE(S): The University of Iowa Research Foundation, USA
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003088914	A2	20031030	WO 2003-US12128	20030418
WO 2003088914	A3	20040226		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1499341	A2	20050126	EP 2003-721780	20030418
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				

PRIORITY APPLN. INFO.: US 2002-373461P P 20020418
WO 2003-US12128 W 20030418

L8 ANSWER 9 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB **Antimicrobial** and preservative solns., ideally suited for

topical administration (e.g., as wash solns. and as carrier solns.) are described. The solns. comprise a buffer system for maintaining an alkaline pH, a surfactant system, metal ion chelating agent, and a nonionic preservative having **antimicrobial** activity. The solns. described are non-toxic, non-irritating, isotonic, and possess non-specific broad-spectrum **antimicrobial** properties. Also disclosed are sterile preps. of the solns. and methods of using the same. For example, an **antimicrobial** wash and carrier solution contained tromethamine base 46.5, tromethamine-HCl, 43.0, tetrasodium EDTA 12.6, Nonoxynol-12 50, PPG-12/PEG-50 lanolin 50, benzyl alc. 120, and water 9677.9 mg/g.

ACCESSION NUMBER: 2003:836802 CAPLUS
DOCUMENT NUMBER: 139:341828
TITLE: Topical **antimicrobial** wash and carrier solutions
INVENTOR(S): Farng, Richard K.; Mrha, Steven
PATENT ASSIGNEE(S): DVM Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003086332	A1	20031023	WO 2003-US11300	20030411
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004071769	A1	20040415	US 2003-412477	20030411

PRIORITY APPLN. INFO.: US 2002-371755P P 20020411
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 10 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN
AB When generally formulated to **disinfect** a catheter, an **antimicrobial** substance comprises water and between approx. 10 and 200 mg tetrasodium EDTA for each milliliter of water. When formulated as a treatment solution for treating an infected catheter, the **antimicrobial** substance comprises water and between 5 and 80 mg tetrasodium EDTA for each milliliter of water. When formulated as a prophylactic substance for inhibiting infection of a catheter, the **antimicrobial** substance comprises water and between approx. 5 and 40 mg tetrasodium EDTA for each milliliter of water.

ACCESSION NUMBER: 2003:454032 CAPLUS
DOCUMENT NUMBER: 139:12383
TITLE: **Antimicrobial** systems containing EDTA salts
INVENTOR(S): Kite, Peter; Hatton, David
PATENT ASSIGNEE(S): Aseptica, Inc., USA
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2003047341	A2	20030612	WO 2002-US38863		20021205
WO 2003047341	A3	20040923			

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1478228	A2	20041124	EP 2002-790031		20021205

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

PRIORITY APPLN. INFO.:	US 2001-338639P	P	20011205
	WO 2002-US38863	W	20021205

L8 ANSWER 11 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB An aqueous **antimicrobial** conveyor lubricant is composed of: (1) alkyl alkoxylated phosphate ester, (2) quaternary alkylammonium compound **antimicrobial** agent, (3) an extreme-pressure additive, (4) an alkoxylated secondary alc., (5) a corrosion inhibitor, (6) an organic phosphonic acid-containing chelating agent, and (7) a neutralizing agent to adjust the pH to 4-9, in which the lubricant contains <1 weight% C6-24-fatty acid, and the ratio of phosphate esters to quaternary ammonium **antimicrobial** agent is >1.5:1. The alkyl alkoxylated phosphate ester is of general structure R1-O-(R2O)n-PO3X2 (R1 = C1-20-alkyl, R2 is -CH2-CH2- and -CH(CH3)-CH2-, n = 3-8 when R2 is -CH(CH3)-CH2- and n = 3-10 when R2 is -CH2CH2-, and X = H, alkanolamine, or an alkali metal); the alkoxylated secondary alc. is of general structure R3-O-(R4O)n-H (R3 = C10-20-sec-alkyl, R4 = -CH2CH2- or -CH(CH3)-CH2-, n = 3-12 when R4 = CH2CH2 and n = 3-8 when R4 = -CH(CH3)-CH2-). A suitable corrosion inhibitor is an aromatic triazole (e.g., benzotriazole or tolyltriazole). A suitable extreme-pressure agent composed of bis(polyoxyethylene) esters of 5- and 6-carboxy-4-hexyl-2-cyclohexene-1-octanoic acid. The aqueous lubricating oil is suitable for beverage can processing.

ACCESSION NUMBER:	2003:150519 CAPLUS
DOCUMENT NUMBER:	138:190530
TITLE:	Aqueous **antimicrobial** conveyor lubricating oil containing alkoxylated alkyl phosphate esters, secondary alcohols, and quaternary ammonium compound biocides
INVENTOR(S):	Kravitz, Joseph I.; Herdt, Joy G.; Person, Hei Kimberly L.; Besse, Michael E.
PATENT ASSIGNEE(S):	Ecolab Inc., USA
SOURCE:	U.S., 20 pp., Cont.-in-part of U.S. Ser. No. 231,255. CODEN: USXXAM
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	2
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6525005	B1	20030225	US 2000-580464	20000526
US 2002006881	A1	20020117	US 1999-231255	19990115
US 6667283	B2	20031223		

PRIORITY APPLN. INFO.:	US 1999-231255	A2	19990115
OTHER SOURCE(S):	MARPAT 138:190530		
REFERENCE COUNT:	46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L8 ANSWER 12 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB Formulations containing Vantocil IB (poly(hexamethylene biguanide) hydrochloride, PHMB) and Bardac 2270 (didecyldimethyl ammonium chloride, DDAC) were evaluated for **antimicrobial** activity. Only those formulation containing PHMB showed a pass in dirty conditions. Those containing DDAC did not.

ACCESSION NUMBER: 2004:335777 CAPLUS
DOCUMENT NUMBER: 141:274249
TITLE: The **antimicrobial** efficacy of disinfecting products containing biguanides and quaternary ammonium compounds
AUTHOR(S): Anon.
CORPORATE SOURCE: UK
SOURCE: Research Disclosure (2003), Volume Date 2004, 477(Jan.), P22 (No. 477014)
CODEN: RSDSBB; ISSN: 0374-4353
PUBLISHER: Kenneth Mason Publications Ltd.
DOCUMENT TYPE: Journal; Patent
LANGUAGE: English
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RD 477014		20040110		

PRIORITY APPLN. INFO.: RD 2004-477014 20040110

L8 ANSWER 13 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB Formulations of poly(hexamethylene biguanide) hydrochloride (PHMB) were examined for the amount of PHMB binding to a cellulosic substrate. Use of a molar ratio of 1:2 PHMB:CADP (disodium cocoamphodipropionate) or 1:1:2 PHMB:CADP:EDTA (tetrasodium) totally prevented PHMB from binding to the substrate. Use of a molar ratio 1:1 PHMB:EDTA without CADP had no effect on reducing binding of PHMB.

ACCESSION NUMBER: 2004:335773 CAPLUS
DOCUMENT NUMBER: 141:274248
TITLE: Enhancing the **antimicrobial** activity of poly(hexamethylene biguanide) delivered from a cellulosic substrate
AUTHOR(S): Anon.
CORPORATE SOURCE: UK
SOURCE: Research Disclosure (2003), Volume Date 2004, 477(Jan.), P20 (No. 477012)
CODEN: RSDSBB; ISSN: 0374-4353
PUBLISHER: Kenneth Mason Publications Ltd.
DOCUMENT TYPE: Journal; Patent
LANGUAGE: English
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RD 477012		20040110		

PRIORITY APPLN. INFO.: RD 2004-477012 20040110

L8 ANSWER 14 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The hard surface **antimicrobial** cleaner includes a disinfectant and a polysiloxane with at least one poly(oxyalkylene) side chain wherein the cleaner kills bacteria on a hard surface for a least 24 h after being sprayed onto and wiped from the hard surface. The surface **antimicrobial** cleaner may include a solvent, a sequesterant, a surfactant, or a water soluble organosilane. Another version of the cleaner also includes a disinfectant and a polysiloxane with at least one poly(oxyalkylene) side chain and inhibits biofilm formation on a hard surface for at least 24 h after being sprayed onto the hard surface.

ACCESSION NUMBER: 2002:716412 CAPLUS
DOCUMENT NUMBER: 137:234414
TITLE: Hard surface **antimicrobial** cleaner with

residual **antimicrobial** effect

INVENTOR(S): Avery, Richard W.; Bakich, Shannon L.; Wick, Roberta A.; Bryant, Harry E.
PATENT ASSIGNEE(S): S.C. Johnson & Son, Inc., USA
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2002072748	A1	20020919	WO 2002-US7538		20020313
WO 2002072748	C1	20040226			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
US 2003073600	A1	20030417	US 2002-95933		20020312
US 6821943	B2	20041123			
CA 2438990	AA	20020919	CA 2002-2438990		20020313
GB 2389368	A1	20031210	GB 2003-20060		20020313
JP 2004532300	T2	20041021	JP 2002-571804		20020313
PRIORITY APPLN. INFO.:			US 2001-275405P	P	20010313
			WO 2002-US7538	W	20020313

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 15 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The present invention provides an **antimicrobial** composition for disinfection of a skin surface in preparation for surgery. The **antimicrobial** composition comprises parachlorometaxylenol (PCMX) and an anionic surfactant composition which exhibits both a high degree of **antimicrobial** efficacy and low skin irritability properties. In a preferred embodiment, the composition comprises an anionic surfactant composition comprising a surfactant having a hydrophobic portion consisting of a linear alkyl and a hydrophilic portion having ethoxylation termination with a sulfonate anionic group, and a sarcosine surfactant. A preferred surfactant composition further comprises a foaming anionic surfactant, such as sodium lauryl sulfate. The **antimicrobial** composition can be used in skin disinfecting formulations, such as scrub formulations and pre-operative skin disinfecting formulations. In one embodiment, the composition comprises about 3.3% parachlorometaxylenol. The composition can be used as a surgical scrub formulation or in various pre-surgical skin disinfecting products, including sponges, swabs and topical application devices.

ACCESSION NUMBER: 2002:502813 CAPLUS
DOCUMENT NUMBER: 137:68167
TITLE: **Antimicrobial** composition containing parachlorometaxylenol for skin disinfection
INVENTOR(S): Childers, David; Jeng, David
PATENT ASSIGNEE(S): Allegiance Corporation, USA
SOURCE: U.S., 9 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6413921	B1	20020702	US 2000-630678	20000801

PRIORITY APPLN. INFO.: US 2000-630678 20000801
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 16 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN
AB Title detergent composition, for cleaning and treating hard surfaces of such as toiletries, bathrooms, and kitchen tables, comprises (A) polymers of weight average mol. weight 1,000-6,000,000, prepared from (I) quaternary ammonium-containing monomers and (II) other monomers [I/(I + II) = 10-100 mol%], and (B) **antimicrobial** quaternary ammonium compds. having mol. weight ≤1000. Thus, a composition was prepared from acrylic amide-diallyldimethylammonium chloride copolymer Merquat-550 0.3, cocoalkyldimethylbenzylammonium chloride Sanisol C 0.3 part, and water.
ACCESSION NUMBER: 2002:148899 CAPLUS
DOCUMENT NUMBER: 136:185821
TITLE: Antimicrobial cleaning composition with good soiling resistance for hard surface
INVENTOR(S): Aihara, Shin; Morii, Noriyuki; Tsukuda, Kazunori
PATENT ASSIGNEE(S): Kao Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002060786	A2	20020226	JP 2000-252284	20000823
WO 2002016536	A1	20020228	WO 2001-JP6869	20010809

W: CN, US
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR
PRIORITY APPLN. INFO.: JP 2000-252284 A 20000823
OTHER SOURCE(S): MARPAT 136:185821

L8 ANSWER 17 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN
AB EPA is taking direct final action to add a new section to part 180 which lists the pesticide chems. that are exempt from the requirement of a tolerance when used in food-contact surface sanitizing solns. The initial list of exempt pesticide chems. in the new section is duplicated from the Food and Drug Administration's (FDA) regulations in 21 CFR 178.1010. EPA is also changing FDA's naming conventions for some of the chemical substances that were duplicated. Until recently, FDA under the Federal Food, Drug, and Cosmetic Act (FFDCA) section 409, regulated food-contact surface sanitizing solns. With the amendments to FFDCA by the Food Quality Protection Act (ARTCA) of 1998, these responsibilities have been restructured. Under FFDCA section 408, EPA will now regulate the pesticide uses of these chemical substances and FDA under FFDCA section 409 will continue to regulate any indirect food additive uses of these chemical substances. Registrants of existing food-contact surface sanitizing solns. that contain chemical substances other than those listed in this direct final rule should identify these chemical substances and support their claim that the chemical substance is generally recognized as safe (GRAS), or permitted by FDA prior sanction, or approval, or subjected to a letter of no objection in order to remain except from the requirement of a FFDCA section 408 tolerance.
ACCESSION NUMBER: 2003:1747 CAPLUS

DOCUMENT NUMBER: 138:220546
TITLE: Pesticides; Tolerance exemptions for active and inert ingredients for use in **antimicrobial** formulations (food-contact surface sanitizing solutions)
CORPORATE SOURCE: Environmental Protection Agency, Office of Pesticide Programs, Environmental Protection Agency, Washington, DC, 20460-0001, USA
SOURCE: Federal Register (2002), 67(232), 71847-71861, 3 Dec 2002
CODEN: FEREAC; ISSN: 0097-6326
PUBLISHER: Superintendent of Documents
DOCUMENT TYPE: Journal
LANGUAGE: English

L8 ANSWER 18 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN
AB It is intended to provide highly safe aseptics by combining components which have been commonly employed as additives to aqueous liquid prepns. Favorable aseptics can be obtained with the combined use of boric acid and/or borax, EDTA or its salts and polyvinylpyrrolidone. The aseptic effect can be potentiated by further using cellulose polymers therewith. An aqueous solution containing boric acid 1.39, borax 0.18, Na edetate 0.1, PVP 1, and hydroxypropyl Me cellulose 0.3 % showed highly effective **antimicrobial** activities against Staphylococcus aureus.
ACCESSION NUMBER: 2001:935444 CAPLUS
DOCUMENT NUMBER: 136:58850
TITLE: **Antimicrobials** for aqueous preparations
INVENTOR(S): Morishima, Kenji; Hatano, Norihisa
PATENT ASSIGNEE(S): Santen Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 10 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001097852	A1	20011227	WO 2001-JP5004	20010613
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001064261	A5	20020102	AU 2001-64261	20010613
CA 2413088	AA	20021217	CA 2001-2413088	20010613
EP 1312380	A1	20030521	EP 2001-938626	20010613
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2002080314	A2	20020319	JP 2001-184171	20010619
US 2003152631	A1	20030814	US 2002-311444	20021216

PRIORITY APPLN. INFO.: JP 2000-182624 A 20000619
WO 2001-JP5004 W 20010613
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 19 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN
AB A novel chelate complex allows for the formation of stable solns. of mol. chlorine dioxide. The chelate complexes are composed of the electron-deficient chlorine dioxide mol., which can accept an electron,

and a chelating agent, which can contribute its available electrons to the accepting orbital of the chlorine dioxide mol. Both active and passive methods of releasing the chlorine dioxide from such chelates by competitive displacement with selected metal cations are presented. In this manner, a stabilized solution of mol. chlorine dioxide can be stored until needed and the chloride released at time of use for cleaning, disinfection or other uses. A ClO2 chelate was prepared by addition of disodium EDTA to a solution of ClO2 previously prepared by acidification of a Na chlorite solution followed by neutralization of the excess acidity. The **antimicrobial** activity of the chelate was demonstrated by its ability to destroy E. coli following diplacement of the ClO2 by Fe2+ in the chelate.

ACCESSION NUMBER: 2001:396718 CAPLUS
DOCUMENT NUMBER: 135:24676
TITLE: Chlorine dioxide chelate compositions doe cleaning and disinfection
INVENTOR(S): Kross, Robert D.
PATENT ASSIGNEE(S): USA
SOURCE: PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001037936	A1	20010531	WO 1999-US27735	19991123

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: WO 1999-US27735 19991123
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 20 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN
AB The present invention relates to **antimicrobial** compns. which provide enhanced immediate as well as residual anti-viral and antibacterial efficacy. The **antimicrobial** compns. of the present invention provide previously unseen residual effectiveness against Gram neg. bacteria, Gram pos. bacteria, and viruses, fungi, and improved immediate germ reduction upon use. These compns. comprise: (a) a safe and effective amount of pyroglutamic acid; (b) a safe and effective amount of a metal salt; and (c) a dermatol. acceptable carrier for the acid and salt, wherein said composition has a pH of 1-7. The invention further relates to methods of use for the present compns. as well as **antimicrobial** products which incorporate the compns. For example, a foaming facial, hand or body wash suitable for washing the skin is prepared from the following ingredients using conventional mixing techniques: (A) sodium myristoyl sarcosinate 1.35%, disodium lauroamphoacetate 0.35%, sodium trideceth sulfate 0.35%, lauroamphoacetate 1.85%, PEG 120 Me glucose dioleate 2.7%, glycerin 2%; (B) dimethicone copolyol 1.3%, PEG 6 caprylic/capric glycerides 1%, phenoxyisopropanol 0.72%, Polyquaternium-10 0.5%, pyroglutamic acid 2.0%, Cuivridone 0.5%, CuCl2 0.1%, disodium EDTA 0.1%, glycol distearate 0.6%, sodium laureth sulfate 0.6%, cocamide MEA 0.12%, Laureth-10 0.12%, PEG 150 pentaerythritol tetrastearate 0.9%, fragrance 0.2%; and (C) water up to 100%, resp.

ACCESSION NUMBER: 2001:300511 CAPLUS
DOCUMENT NUMBER: 134:315855

TITLE: **Antimicrobial** compositions comprising pyroglutamic acid and metal salts
INVENTOR(S): Biedermann, Kimberly Ann; Kronholm, Kurt Glen; Beerse, Peter William; Morgan, Jeffrey Michael; Mobley, Michael Joseph
PATENT ASSIGNEE(S): The Procter & Gamble Company, USA
SOURCE: PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 26
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001028552	A2	20010426	WO 2000-US28922	20001019
WO 2001028552	A3	20010614		
W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2382985	AA	20010426	CA 2000-2382985	20001019
BR 2000014778	A	20020716	BR 2000-14778	20001019
EP 1225887	A2	20020731	EP 2000-970995	20001019
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
TR 200201048	T2	20020821	TR 2002-200201048	20001019
JP 2003512323	T2	20030402	JP 2001-531382	20001019
ZA 2002002475	A	20030627	ZA 2002-2475	20020327
PRIORITY APPLN. INFO.:			US 1999-421131 A	19991019
			WO 2000-US28922 W	20001019

L8 ANSWER 21 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN
AB The invention relates to compns. for controlling the growth of algae, fungi and pathogenic organisms in water, especially recreational water such as swimming pools and spas. The invention specifically relates to aqueous concs. comprising a polymeric biguanide or a salt thereof, a chelating agent and a water-miscible organic solvent.
ACCESSION NUMBER: 2001:300429 CAPLUS
DOCUMENT NUMBER: 134:291524
TITLE: Biocidal aqueous concentrate for swimming pools
INVENTOR(S): Unhoch, Michael Joseph
PATENT ASSIGNEE(S): Avecia Inc., USA; Avecia Limited
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001028333	A1	20010426	WO 2000-GB3906	20001012
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2387726	AA	20010426	CA 2000-2387726	20001012
EP 1225805	A1	20020731	EP 2000-968072	20001012
EP 1225805	B1	20030903		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL

AT 248514	E	20030915	AT 2000-968072	20001012
ES 2206312	T3	20040516	ES 2000-968072	20001012
AU 773869	B2	20040610	AU 2000-78033	20001012
PRIORITY APPLN. INFO.:			US 1999-422231 A	19991021
			WO 2000-GB3906 W	20001012

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 22 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB A lubricant composition comprising a lubricating agent and a quaternary phosphonium compound is useful as a conveyor, container or beverage lubricant.

ACCESSION NUMBER: 2001:247444 CAPLUS
DOCUMENT NUMBER: 134:268633
TITLE: Antimicrobial lubricants useful for lubricating containers, such as beverage containers, and conveyors therefor
INVENTOR(S): Minyu, Li; Person-Hei, Kimberly L.; Cords, Bruce R.; Lokkesmoe, Keith D.; Herdt, Joy G.
PATENT ASSIGNEE(S): Ecolab Inc., USA
SOURCE: PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001023504	A1	20010405	WO 2000-US17525	20000626

W: AE, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6214777	B1	20010410	US 1999-404813	19990924
CA 2382689	AA	20010405	CA 2000-2382689	20000626
PRIORITY APPLN. INFO.:			US 1999-404813 A	19990924
			WO 2000-US17525 W	20000626

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 23 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB A composition for the maintenance of youthful, glowing, radiant, and hydrated skin, including sufficient amts. of hydroxy acids, to facilitate exfoliation of skin in a novel moist manner, without substantial irritation, as well as the prevention, treatment and management of skin conditions, such as acne, wrinkled, irregularly pigmented, photoaged, and thickened layers of the epidermis, and the like, which has as major constituents, safflower oil, flaxseed oil, sweet almond oil, apricot kernel oil, jojoba oil, organic beeswax, stearic acid, cetearyl alc., a skin exfoliating agent, cocoa butter, vitamin A, tocopheryl linoleate, borax, oil of lavender, and tincture of benzoin as an **antimicrobial**

agent to inhibit or reduce microorganisms on the skin. The composition of the cream was applied twice daily to the face of a man suffering from dehydrated skin. Within three days of use, the dry skin on the forehead and beneath the eyes, exfoliated. Within 7 days, a marked tightening of the skin was observed visually.

ACCESSION NUMBER: 2001:380992 CAPLUS
DOCUMENT NUMBER: 134:371626
TITLE: Cream compositions for skin management
INVENTOR(S): Harbeck, Marie
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 10 pp., Cont.-in-part of U.S. 6,193,987.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 9
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2001001665	A1	20010524	US 2001-753899	20010103
US 6193987	B1	20010227	US 1999-248573	19990211

PRIORITY APPLN. INFO.: US 1999-248573 A2 19990211

L8 ANSWER 24 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB A cleanser product which will not stain surfaces is disclosed. Specifically, the present invention provides a cleanser comprising a photosensitive dye, e.g., D&C Red Number 28. The present invention also provides a method for preventing the of staining of surfaces by cleanser products. For example, a hand cleanser composition contained a detergent/surfactant blend 15.00, a pearlizing agent 1.00, viscosity modifier 0.75%, addnl. detergent/surfactant 0.50, chelating agent 0.10, pH neutralizer 0.08, preservative 0.05, fragrance 0.025, D&C Red Number 28 0.0004, D&C Red Number 33 0.00005, and water 82.4955 parts.

ACCESSION NUMBER: 2001:559977 CAPLUS
DOCUMENT NUMBER: 135:126956
TITLE: Skin cleanser with photosensitive dye
INVENTOR(S): Barnhart, Ronald A.; Helfman, Bradley D.
PATENT ASSIGNEE(S): Gojo Industries, Inc., USA
SOURCE: U.S., 8 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6267976	B1	20010731	US 2000-550106	20000414

PRIORITY APPLN. INFO.: US 2000-550106 20000414
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 25 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB A topical **antimicrobial** and skin protective lotion containing triclosan as the **antimicrobial** agent in a polymer/emulsion base, which forms a hydrophobic protective barrier having persistent **antimicrobial** properties upon application to the skin, is prepared

ACCESSION NUMBER: 2001:110127 CAPLUS
DOCUMENT NUMBER: 134:143272
TITLE: **Antimicrobial** triclosan-containing sanitizing lotion with skin protection properties
INVENTOR(S): Stack, Kevin
PATENT ASSIGNEE(S): USA
SOURCE: U.S., 6 pp.

CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6187327	B1	20010213	US 1999-314553	19990519
CA 2374585	AA	20010907	CA 2000-2374585	20000518
WO 2001064034	A1	20010907	WO 2000-US13945	20000518
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1182927	A1	20020306	EP 2000-937640	20000518
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2004500385	T2	20040108	JP 2001-562945	20000518
US 2002037268	A1	20020328	US 2001-782676	20010213
US 6517854	B2	20030211		

PRIORITY APPLN. INFO.: US 1999-314553 A 19990519
WO 2000-US13945 W 20000518

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 26 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB Lubricating solns. are used on conveying systems in the beverage industry during the filling of containers with dairy products or other beverages. Lubricating compns. of the present invention, especially those designed for use in heavy load bearing conveyors such as those in the dairy industry conveying systems for contained beverages, comprise at least the following components: (a) an alkyl alkoxylated (e.g., ethoxylated or propoxylated, preferably ethoxylated) phosphate ester, (b) a secondary alc. alkoxylate, (with an optional aryl [e.g., aromatic, such as phenol] alkoxylated [e.g., ethoxylated or propoxylated] phosphate ester), (c) an aromatic or linear quaternary ammonium **antimicrobial** agent, and (d) a liquid carrier, such as water. These lubricating solns. are capable of providing good lubricity and **antimicrobial** activity over a prolonged time and under high stress and heavy loads.

ACCESSION NUMBER: 2000:493636 CAPLUS
DOCUMENT NUMBER: 133:122632
TITLE: **Antimicrobial**, high load bearing conveyor lubricant
INVENTOR(S): Kravitz, Joseph I.; Herdt, Joy G.; Person, Hei Kimberly L.; Besse, Michael E.
PATENT ASSIGNEE(S): Ecolab Inc., USA
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000042137	A2	20000720	WO 2000-US1074	20000114
WO 2000042137	A3	20001130		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,				

IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2002006881	A1	20020117	US 1999-231255 19990115
US 6667283	B2	20031223	

PRIORITY APPLN. INFO.: US 1999-231255 A 19990115

L8 ANSWER 27 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB This invention relates to improved stabilized shampoo compns. containing siloxysilicate materials commonly referred to as MQ resins, wherein the stabilizers are selected from (i) >C14 long-chain fatty alcs.; (ii) acrylate/steareth-20 methacrylate copolymer; acrylate copolymers; and acrylates/C10-30 alkyl acrylate crosslinked polymer; and (iii) N,N-disubstituted phthalamic acids and their ammonium salts. Thus, a shampoo formulation contained ammonium lauryl sulfate 16.80, monobasic sodium phosphate 0.30, Polyquaternium-10 0.25, cocodiethanolamide 2.00, guar gum 0.22, distearyldimonium chloride 0.25, MQ resin 2.50, acrylic polymer 1.65, fragrance 0.75, and preservative 0.07%, and water qs.

ACCESSION NUMBER: 2000:259959 CAPLUS
DOCUMENT NUMBER: 132:298452
TITLE: Stabilized shampoo containing siloxysilicates
INVENTOR(S): Reich, Charles; Chupa, Janine A.; Kozubal, Cheryl L.; Su, Dean Terng-Tzong
PATENT ASSIGNEE(S): Colgate-Palmolive Company, USA
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000021494	A1	20000420	WO 1999-US23465	19991007
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6287546	B1	20010911	US 1999-406543	19990927
AU 9962962	A1	20000501	AU 1999-62962	19991007
AU 766097	B2	20031009		
BR 9914338	A	20010626	BR 1999-14338	19991007
EP 1119339	A1	20010801	EP 1999-950268	19991007
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TR 200101805	T2	20011221	TR 2001-200101805	19991007
NZ 511038	A	20030829	NZ 1999-511038	19991007
RU 2232010	C2	20040710	RU 2001-112414	19991007
TW 589192	B	20040601	TW 1999-88117355	19991008
ZA 2001002775	A	20020704	ZA 2001-2775	20010404
NO 2001001747	A	20010605	NO 2001-1747	20010406

PRIORITY APPLN. INFO.: US 1998-103830P P 19981009
US 1999-406543 A 19990927
WO 1999-US23465 W 19991007

OTHER SOURCE(S): MARPAT 132:298452
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 28 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The title **antimicrobial** composition contains .apprx.0.1-8.0 weight% 2,4,4'-trichloro-2'-hydroxydiphenyl ether (triclosan), .apprx.0.1-8.0 weight% 4-chloro-3,5-dimethylphenol (PCMX), .apprx.0.025-5.0 weight% glutaraldehyde, and preferably addnl. .apprx.0.025-5.0 weight% RxCH2CH2N(CH2CO2H)a(RxCH2CO2H)b [Rx = (CH2CH2NCH2CO2H)x; x = 0-5; a, b = 0-2; 2 ≤ (a + b) ≤ 3]. The composition provides **antimicrobial** properties equivalent or superior to those of 50 ppm available Cl2 and has a pH of .apprx.5.0-11.0. Skin is cleaned by contacting it with a composition containing a surfactant system and this **antimicrobial** composition The product meets the **antimicrobial** efficacy requirements for use in the food service and food handling industry while providing acceptable mildness, smell, lather, performance, skin feel, stability, and cost. Thus, a homogeneous composition was prepared containing PCMX 1.00, triclosan 0.20, Sulfotex 6040 (60 weight% Na lauryl ether sulfate) 8.00, propylene glycol 1.30, Glucopon 425N (50 weight% alkyl polyglycoside) 5.00, Velvetex BA 35 (30 weight% cocamidopropylbetaine) 3.00, Stepanol WAC (29 weight% SDS) 2.00, Cetiol HE 0.20, Hamp-ene 100 (30 weight% tetra-Na EDTA) 1.00, Ucarcide 250 (50 weight% glutaraldehyde) 0.20, 50 weight% citric acid solution 0.20, NaCl 1.00, and H2O 75.80 weight% (pH 6.4, viscosity 780 cP).

ACCESSION NUMBER: 2000:175653 CAPLUS
DOCUMENT NUMBER: 132:212526
TITLE: **Antimicrobial** composition for handwashing and a method of cleaning skin using it
INVENTOR(S): Ahmed, Fahim Y.
PATENT ASSIGNEE(S): USA
SOURCE: PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000013656	A1	20000316	WO 1999-US20179	19990903
W: AU, BR, CA, JP, MX, NZ				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9958043	A1	20000327	AU 1999-58043	19990903
PRIORITY APPLN. INFO.:			US 1998-146757 A	19980904
			WO 1999-US20179 W	19990903

OTHER SOURCE(S): MARPAT 132:212526
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 29 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The title cleaners with improved residue removal and reduced filming/streaking comprise (a) a solvent selected from C1-6 alkanols, C3-24 alkylene glycol ethers, and their mixts., (b) an amphoteric and/or nonionic surfactant, (c) quaternary ammonium surfactant, and (d) builder in H2O. A typical cleaner contained Barquat MB 50, NaOH, Alfonic 610-50, Barlox 12, BuOCH2CH2OH (solvent) and tetra-Na EDTA (builder) in H2O.

ACCESSION NUMBER: 2000:31337 CAPLUS
DOCUMENT NUMBER: 132:80123
TITLE: **Antimicrobial**, no-rinse, hard-surface cleaners
INVENTOR(S): Zhou, Boli; Stanislowski, Anna G.
PATENT ASSIGNEE(S): The Clorox Company, USA
SOURCE: U.S., 7 pp., Cont. of U.S. Ser. No. 507,543, abandoned.

CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6013615	A	20000111	US 1997-807187	19970227
US 6284723	B1	20010904	US 2000-480310	20000110
PRIORITY APPLN. INFO.:			US 1995-507543 B1	19950726
			US 1997-807187 A1	19970227

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 30 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB Title aqueous emulsion waxes contain surfactants and dispersed metal salts of organic acids. An aqueous polishing wax was mixed with 0.3% an aqueous solution (comprising 500-mL water, 20-g CuSO4.5H2O, 24-g Zn(NO3)2.6H2O, 120-g Na4 EDTA, and 200-mg Nissan Anon LG) to form a wax showing good antimicrobial and deodorizing (NH3 water, H2S, and CH3SH) ability.

ACCESSION NUMBER: 2000:484162 CAPLUS
DOCUMENT NUMBER: 133:90832
TITLE: **Antimicrobial** and deodoring cleaning waxes and their manufacture
INVENTOR(S): Shimada, Tsumoru; Hayashi, Mitsuo
PATENT ASSIGNEE(S): Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000198950	A2	20000718	JP 1998-378521	19981228
PRIORITY APPLN. INFO.:			JP 1998-378521	19981228

L8 ANSWER 31 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The compns., which are resistant to discoloration caused by metal ions, contain hinokitiol Al complex and/or its salts and chelating agents. Complex prepared from hinokitiol and AlCl3 5, propylene glycol 2, polyoxyethylene hydrogenated castor oil 18, EDTA-Na 1, citric acid, and H2O to 100 weight% were mixed to give a composition showing slight yellowing after treating with Fe for 1 day.

ACCESSION NUMBER: 2000:266230 CAPLUS
DOCUMENT NUMBER: 132:275467
TITLE: **Antimicrobial** compositions containing hinokitiol aluminum complexes and chelating agents
INVENTOR(S): Morita, Yasuhiro; Uchida, Tadashi; Ura, Kaori
PATENT ASSIGNEE(S): Osaka Yuki Kagaku Kogyo Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000119115	A2	20000425	JP 1998-284186	19981006
PRIORITY APPLN. INFO.:			JP 1998-284186	19981006

L8 ANSWER 32 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB A stable apomorphine injection solution contains apomorphine hydrochloride semihydrate (I) in combination of excipients selected from sodium metabisulfite as antioxidants, Me parahydroxybenzoate and benzyl alc. as preservative and **antimicrobial** agents, and sodium edetate as stabilizer and chelating agents. A unit dose pharmaceutical contained I 50, sodium metabisulfite 5, Me parahydroxybenzoate 5, benzyl alc. 50, sodium edetate 0.5, HCl q.s. pH = 3.7, and water q.s. for 5.0 mL. The solution was stable after 2 yr storage at 25° and 60% relative humidity.

ACCESSION NUMBER: 2000:481175 CAPLUS
DOCUMENT NUMBER: 133:79398
TITLE: Stable apomorphine injection solutions
INVENTOR(S): Bernini, Eva; Brambilla, Gaetano; Chiesi, Paolo
PATENT ASSIGNEE(S): Chiesi Farmaceutici S.p.A., Italy
SOURCE: Fr. Demande, 11 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2785188	A1	20000505	FR 1999-13521	19991028
FR 2785188	B1	20041029		
IT 1303684	B1	20010223	IT 1998-MI2331	19981030
IT 98MI2331	A1	20000502		
GR 99100373	A	20000630	GR 1999-100373	19991027
GB 2343376	A1	20000510	GB 1999-25602	19991028
GB 2343376	B2	20031231		
ES 2156763	A1	20010701	ES 1999-2380	19991028
ES 2156763	B1	20020301		
BR 9905305	A	20010320	BR 1999-5305	19991029

PRIORITY APPLN. INFO.: IT 1998-MI2331 A 19981030

L8 ANSWER 33 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB Treated wipes comprise one or more layers of a water-insol. substrate and an aqueous liquid composition comprising a water-insol. functional ingredient wherein the water-insol. functional ingredient is uniformly distributed on and/or into the substrate without the need for emulsifying agents. A non-woven substrate comprising 70% polyester and 30% rayon approx. 6.5x7.5 in. was sprayed with a composition containing Me isostearate 0.67, polyethylene wax 0.3, dimethicone 0.5, ammonium lauryl sulfate 0.6, silicone antifoam 0.2, triclosan 0.15, sodium benzoate 0.2, tetrasodium EDTA 0.1, D-gluconic acid 2.5, SD alc.40 10, fragrance 0.03, and water q.s. 100%.

ACCESSION NUMBER: 1999:819188 CAPLUS
DOCUMENT NUMBER: 132:54600
TITLE: Treated wipe articles free of surfactants
INVENTOR(S): Pung, David John; Sine, Mark Richard; Hasenoehrl, Erik John; Schell, Charles Kevin
PATENT ASSIGNEE(S): Procter & Gamble Company, USA
SOURCE: PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9966793	A1	19991229	WO 1999-IB1031	19990604

W: AU, BR, CA, CN, CZ, CZ, JP, KR, MX
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

CA 2335281	AA	19991229	CA 1999-2335281	19990604
AU 9939501	A1	20000110	AU 1999-39501	19990604
BR 9911505	A	20010327	BR 1999-11505	19990604
EP 1089621	A1	20010411	EP 1999-922412	19990604

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI

JP 2002518414	T2	20020625	JP 2000-555493	19990604
PRIORITY APPLN. INFO.:			US 1998-90152P	P 19980622
			WO 1999-IB1031	W 19990604

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 34 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The present invention relates to hair styling compns. comprising water soluble, non-polymeric mineral salts and lipophilic materials which provide improved hair styling. The hair compns. further comprise low levels of a dispersing surfactant for improved hair styling. A hair lotion composition contains xanthan gum 1.0, benzyl alc. 0.25, Quaternium 15 0.135, Na benzoate 0.25, Tegobetaine F-B 0.075, $MgSO_4 \cdot 7H_2O$ 3.08, perfume 0.06, citric acid 0.1, and water up to 100%, resp.

ACCESSION NUMBER: 1999:231490 CAPLUS
DOCUMENT NUMBER: 130:271865
TITLE: Hair styling compositions containing non-polymeric mineral salts
INVENTOR(S): Fox, Mary Mora; Wolsing, Dana Hance
PATENT ASSIGNEE(S): The Procter & Gamble Company, USA
SOURCE: PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9915135	A1	19990401	WO 1998-IB1384	19980907

W: BR, CN, JP, MX
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

US 6241971	B1	20010605	US 1997-937637	19970925
EP 1017357	A1	20000712	EP 1998-939800	19980907

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI

BR 9813219	A	20000829	BR 1998-13219	19980907
JP 2001517607	T2	20011009	JP 2000-512511	19980907
PRIORITY APPLN. INFO.:			US 1997-937637	A 19970925
			WO 1998-IB1384	W 19980907

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 35 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB Control of biofouling in pipes or aqueous systems via the use of compns. and methods that include the combination of a chelator with an **antimicrobial** agent, such as EDTA with Amphotericin B, this particular combination shown to synergistically inhibit Aspergillus fumigatus in the figure.

ACCESSION NUMBER: 1999:166525 CAPLUS
DOCUMENT NUMBER: 130:213421
TITLE: Chelators in combination with biocides: treatment of microbially induced biofilm and corrosion
INVENTOR(S): Raad, Issam; Sherertz, Robert
PATENT ASSIGNEE(S): Board of Regents, the University of Texas System, USA; Wake Forest University
SOURCE: PCT Int. Appl., 56 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 9910017	A1	19990304	WO 1998-US17563		19980825
W: CA, JP, US, US					
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
CA 2301746	AA	19990304	CA 1998-2301746		19980825
EP 1017427	A1	20000712	EP 1998-943370		19980825
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI					
US 6267979	B1	20010731	US 1998-139521		19980825
PRIORITY APPLN. INFO.:			US 1997-56963P	P	19970826
			US 1997-57932P	P	19970904
			WO 1998-US17563	W	19980825

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 36 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB A pharmaceutical composition comprising at least one antifungal agent and at least one chelator, and a method for administering the pharmaceutical composition to a patient having a fungal infection are disclosed. Another aspect provides a pharmaceutical composition comprising at least one chelator, at least one antifungal agent and at least one monoclonal antibody, wherein the monoclonal antibody is operatively attached to the chelator, and a method of administering this composition to a patient having a fungal infection. The antifungal activity of a mixture of 1.0 μg/mL amphotericin B and 0.1 mg/mL EDTA was studied.

ACCESSION NUMBER: 1999:172607 CAPLUS
DOCUMENT NUMBER: 130:218262
TITLE: EDTA and other chelators with or without antifungal **antimicrobial** agents for the prevention and treatment of fungal infections
INVENTOR(S): Raad, Isam; Sheretz, Robert; Hachem, Ray
PATENT ASSIGNEE(S): Board of Regents, the University of Texas System, USA; Wake Forest University
SOURCE: PCT Int. Appl., 55 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 9909997	A1	19990304	WO 1998-US17564		19980825
W: CA, JP, US					
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
US 6165484	A	20001226	US 1998-139522		19980825
US 6509319	B1	20030121	US 2000-680061		20001004
US 2003032605	A1	20030213	US 2002-254430		20020925
PRIORITY APPLN. INFO.:			US 1997-56970P	P	19970826
			US 1998-139522	A1	19980825
			US 2000-680061	A1	20001004

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 37 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB This invention relates to an **antimicrobial**, abrasive, polishing

compound, colloidal suspension or gel formulated for the controlling of microbial cross-contamination in the pumicing or polishing of prosthetic and orthodontic dental appliances and related materials. The colloidal suspension provides continuous, instant access to a pre-mixed polishing compound with excellent **antimicrobial** activity for use by dental offices and labs. A liquid phase was formulated containing water 93.85, propylene glycol 4, Na silicate solution 2, benzil 0.075, and Na4EDTA 0.075 %. and a powder phase contained pumice 80.96, bentonite 16.005, triclosan 2.019, and triclocarban 1.045 %. A total composition contained 52 % liquid ingredients and 48 % powder ingredients.

ACCESSION NUMBER: 1999:808539 CAPLUS
DOCUMENT NUMBER: 132:40586
TITLE: **Antimicrobial** polishing compounds
INVENTOR(S): Longo, James Joseph, Jr.; Longo, James Joseph, Sr.; Longo, David Michael
PATENT ASSIGNEE(S): USA
SOURCE: U.S., 5 pp., Cont.-in-part of U.S. Ser. No. 932,983, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6004539	A	19991221	US 1999-250903	19990216
PRIORITY APPLN. INFO.:			US 1997-932983 B2	19970918

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 38 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The present invention relates to an odor-absorbing pre-formed wipe composition which is safe for use on human skin, comprising solubilized, water-soluble, uncomplexed cyclodextrin 0.1-5%, a linear dimethicone 0.5-30%, low-mol.-weight polyols 0.01-1%, and an aqueous carrier, wherein the composition is deposited on a wipe which comprises a flexible dispensing means. The present invention also relates to methods of using the compns. of the present invention to reduce body odor and/or vaginal odor. The composition containing Na4EDTA 0.1, propylene glycol 1.9, ZnCl2 1.0, citric acid 0.12, Glydant Plus 0.2, benzalkonium chloride 0.14, hydroxypropyl β-cyclodextrin 5.0, dimethicone (100 cSt) 3.0, and distilled water up to 100%, resp., delivered by a wipe, reduced vaginal odor in a woman with stress urinary incontinence.

ACCESSION NUMBER: 1999:281984 CAPLUS
DOCUMENT NUMBER: 130:301506
TITLE: Compositions containing cyclodextrins and polyols for reducing body odor
INVENTOR(S): Trinh, Toan; Bartolo, Robert Gregory; Dodd, Michael Thomas; Lucas, Juliet Marie; Buckner, Robin Yager; Kajs, Theresa Marie
PATENT ASSIGNEE(S): The Procter & Gamble Company, USA
SOURCE: U.S., 8 pp., Cont.-in-part of U.S. Ser. No. 889,607, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5897856	A	19990427	US 1997-947076	19971008
CA 2269816	AA	19980430	CA 1997-2269816	19971023

WO 9817239		A1	19980430	WO 1997-US18852	19971023
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	[illegible] GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9749085		A1	19980515	AU 1997-49085	19971023
AU 731790		B2	20010405		
EP 939614		A1	19990908	EP 1997-911792	19971023
EP 939614		B1	20021211		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
BR 9712657		A	19991026	BR 1997-12657	19971023
CN 1256624		A	20000614	CN 1997-180171	19971023
JP 2002509525		T2	20020326	JP 1998-519522	19971023
AT 229316		E	20021215	AT 1997-911792	19971023
NO 9901896		A	19990621	NO 1999-1896	19990421
KR 2000052769		A	20000825	KR 1999-703577	19990423
PRIORITY APPLN. INFO.:				US 1996-736093	B3 19961024
				US 1997-889607	B2 19970708
				US 1996-736469	A 19961024
				US 1996-738964	A 19961024
				US 1997-946770	A 19971008
				US 1997-947076	A 19971008
				US 1997-947299	A 19971008
				US 1997-951185	A 19971015
				WO 1997-US18852	W 19971023

REFERENCE COUNT: 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 39 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The present invention relates to an aqueous, odor absorbing composition, which is safe for use on human skin comprising solubilized, water-soluble, uncomplexed cyclodextrin 0.1-5%, a linear dimethicone having a nominal viscosity of about 350 cSt or less 0.5-30%, and an aqueous carrier. The odor absorbing compns. of the present invention may also contain an effective amount of solubilized, water-soluble, antimicrobial preservative having a water-solubility of > 0.3%. The composition can be applied directly as a spray, poured from a bottle and applied by hand, or applied via a wipe to reduce body odor and/or vaginal odor. The composition containing Na4EDTA 0.1, ZnCl2 1.0, Glydant Plus 0.2, benzalkonium chloride 0.14, hydroxypropyl β-cyclodextrin 5.0, dimethicone (100 cSt) 3.0, and distilled water up to 100%, resp., delivered by a wipe, reduced vaginal odor in a woman with stress urinary incontinence.

ACCESSION NUMBER:	1999:281983 CAPLUS
DOCUMENT NUMBER:	130:301505
TITLE:	Cyclodextrin-based compositions for reducing body odor
INVENTOR(S):	Trinh, Toan; Bartolo, Robert Gregory; Dodd, Michael Thomas; Lucas, Juliet Marie; Buckner, Robin Yager; Kajs, Theresa Marie
PATENT ASSIGNEE(S):	The Procter & Gamble Company, USA
SOURCE:	U.S., 8 pp., Cont.-in-part of U.S. Ser. No. 736,469. CODEN: USXXAM
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	4
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 5897855		A	19990427	US 1997-946770	19971008
CA 2269816		AA	19980430	CA 1997-2269816	19971023
WO 9817239		A1	19980430	WO 1997-US18852	19971023

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

AU 9749085		A1	19980515	AU 1997-49085	19971023
AU 731790		B2	20010405		
EP 939614		A1	19990908	EP 1997-911792	19971023
EP 939614		B1	20021211		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI

BR 9712657		A	19991026	BR 1997-12657	19971023
CN 1256624		A	20000614	CN 1997-180171	19971023
JP 2002509525		T2	20020326	JP 1998-519522	19971023
AT 229316		E	20021215	AT 1997-911792	19971023
NO 9901896		A	19990621	NO 1999-1896	19990421
KR 2000052769		A	20000825	KR 1999-703577	19990423
PRIORITY APPLN. INFO.:				US 1996-604469	A2 19961024
				US 1996-736469	A2 19961024
				US 1996-736093	A 19961024
				US 1996-738964	A 19961024
				US 1997-889607	A 19970708
				US 1997-946770	A 19971008
				US 1997-947076	A 19971008
				US 1997-947299	A 19971008
				US 1997-951185	A 19971015
				WO 1997-US18852	W 19971023

REFERENCE COUNT: 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 40 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The title cleaner is a combination of (a) 0.5-5% solvents selected from glycol ethers, or low mol. weight alcs., (b) 0.5-3% surfactants selected from nonionic surfactant, (c) 5-15% chelating agents selected from nitriloacetates, and (d) 0.1-2.5% **antimicrobial** agents selected from silicone quaternary ammonium salts, optionally builders, fragrances and dyes.

ACCESSION NUMBER: 1999:205301 CAPLUS
DOCUMENT NUMBER: 130:254094
TITLE: Aqueous clear solution for cleaning tile, tub and grout and cleaner manufacture
INVENTOR(S): Loder, Edwin R.
PATENT ASSIGNEE(S): Panich, Martin, USA
SOURCE: U.S., 3 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5885951	A	19990323	US 1997-961891	19971031
PRIORITY APPLN. INFO.:			US 1997-961891	19971031

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 41 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The liqs., which are used in the forms of coatings for buildings, ships, bathrooms, etc., sprays for kitchens, sinks, toilets, etc., and fiber

finishing agents, are manufactured by adding water-soluble salts of **antimicrobial** metals to H2O, mixing the aqueous solution with an aqueous solution of chelating agents, adding acidic substances to the mixture, adding cationic surfactants to the solution, and then adding amphoteric surfactants to the solution An aqueous solution of CuSO4.5H2O, Cu(NO3)2.6H2O, ZnSO4.7H2O, and Zr(NO3)2.5H2O was mixed with an aqueous solution of Chelest 400 (tetrasodium edetate), citric acid, ascorbic acid, Anon LG (Na lauryldiaminoethylglycinate), and Cation G 50 (benzalkonium chloride) to give a transparent **antimicrobial** liquid with pH 3. The liquid inhibited growth of Escherichia coli, Staphylococcus aureus, and Aspergillus niger. Washing resistant of cotton fabric soaked with the **antimicrobial** liquid was also examined

ACCESSION NUMBER: 1999:726932 CAPLUS
DOCUMENT NUMBER: 131:333414
TITLE: **Antimicrobial** liquids containing **antimicrobial** metal salts, chelating agents, and surfactants, their manufacture, and their use
INVENTOR(S): Asakusa, Harumi; Ichikawa, Kenji
PATENT ASSIGNEE(S): Nikko K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11315001	A2	19991116	JP 1998-137549	19980430

PRIORITY APPLN. INFO.: JP 1998-137549 19980430

L8 ANSWER 42 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB Dry formula mascaras which have enhanced drying characteristics are made using a specially formulated drying system which includes solvents and hardening agents. The drying system comprises a mixture of ammonium acrylate copolymer, propylene glycol, potassium octoxynol-12 phosphate, and nonoxynol-10. The inventive mascaras may also include water as a diluent and solvent, waxes that act as a binder, surfactant, emulsifying agent, and conditioning agent, PVP, which acts as a binder and emulsifier stabilizer, and other components such as humectants, conditioning agents, emulsifier stabilizers, thickeners, emollients, **antimicrobial** agents and suspending agents. A dry mascara contained water 30, beeswax 15, drying system (ammonium acrylate copolymer, propylene glycol, potassium octoxynol-12 phosphate, and nonoxynol-10) 30, carnauba 10, PVP 9, glyceryl stearate SE 4, and simethicone 2%.

ACCESSION NUMBER: 1998:582914 CAPLUS
DOCUMENT NUMBER: 129:207017
TITLE: Dry formula mascaras comprising solvents and hardening agents
INVENTOR(S): McMullen, Alexandra
PATENT ASSIGNEE(S): USA
SOURCE: U.S., 7 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5800825	A	19980901	US 1996-745605	19961108

PRIORITY APPLN. INFO.: US 1996-745605 19961108
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 43 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB A preservative for emulsion, comprises sorbic acid or a pharmaceutically acceptable salt thereof, and, where necessary, sodium edetate and boric acid. The sorbic acid or a pharmaceutically acceptable salt thereof and emulsions comprising them can impart superior preservation capability to emulsions, so that an emulsion having high preservation property and less side effects is provided. The addition of sodium edetate and boric acid provides an emulsion having a high pH with superior preservation property even at low concentration of the preservative. An emulsion was formulated containing castor oil 5, Polysorbate 4, glycerin 2.2, NaOAc 0.05, boric acid 0.1, sorbic acid 0.1, Na edetate 0.2 g, NaOH q.s. to pH 6, and sterile water to 100 mL. An **antimicrobial** effect of the emulsion was tested in vitro against Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa, Candida albicans, and Aspergillus niger.

ACCESSION NUMBER: 1998:603136 CAPLUS
DOCUMENT NUMBER: 129:207219
TITLE: Preservatives for emulsion and emulsion containing same
INVENTOR(S): Yamaguchi, Masazumi; Yamaguchi, Masayo; Inada, Katsuhiro
PATENT ASSIGNEE(S): Senju Pharmaceutical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 861658	A1	19980902	EP 1998-103247	19980225
EP 861658	B1	20040609		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 10298109	A2	19981110	JP 1998-40471	19980223
US 2001003003	A1	20010607	US 1998-28311	19980224
US 6379688	B2	20020430		
AT 268590	E	20040615	AT 1998-103247	19980225
CA 2230805	AA	19980828	CA 1998-2230805	19980227

PRIORITY APPLN. INFO.: JP 1997-46548 A 19970228
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 44 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The compns. contain pyrrolidones and ≥1 selected from boric acid or its salts, chelating agents, thiosulfate salts, and proteolytic enzymes. The compns. are useful as cleaning solns. for contact lenses and also useful for topical prepns., cosmetics, and foods. An aqueous solution containing Bioprase (Bacillus subtilis protease), triethanolamine lauroyl-L-glutamate, polyoxyl 40 stearate, lauryldimethylaminoacetic acid betaine, Na edetate, boric acid, borax, $Na_2S_2O_3$, and Na pyrrolidonecarboxylate (I) was inoculated with Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa, Candida albicans, or Aspergillus niger to completely inhibit microbial growth upon storage for 1 wk, while a control containing 0.01 g chlorhexidine gluconate instead of I allowed microbial growth even after 4 wk.

ACCESSION NUMBER: 1996:497001 CAPLUS
DOCUMENT NUMBER: 125:123782
TITLE: **Antimicrobial** compositions containing pyrrolidones
INVENTOR(S): Nakayama, Hisayuki; Kimoto, Akihiro; Nishihata, Shuichi; Yamaguchi, Masayo

PATENT ASSIGNEE(S): Senju Pharma Co, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08133911	A2	19960528	JP 1994-295844	19941104

PRIORITY APPLN. INFO.: JP 1994-295844 19941104

L8 ANSWER 45 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The mycobacterial (in particular tuberculocidal) activity of a quaternary ammonium salt is increased by contacting myco- or tuberculosis-causing bacteria with a disinfecting composition containing at least about 8% by weight of an alkylene glycol monoalkyl ether (especially diethylene glycol monobutyl ether). The ammonium cation is preferably a tetraalkylammonium or trialkyl (optionally alkylated) benzyl ammonium species. Compns. containing the ammonium salt and the glycol monoalkyl ether are also claimed. These are efficacious aldehyde-free tuberculocidal liquid compns. which are odorless, less-toxic, and essentially irritant-free and can be used to **disinfect** and sanitize a variety of surfaces. A tuberculocidal spray contained BTC 2125 M 0.421, Permakleer-100 4.210, Neutronyx-656 0.526, sodium metasilicate 0.263, Bu dioxitol (diethylene glycol monobutyl ether) 8.000, pine fragrance 0.200, and water q.s. 86.380%. The composition was effective in killing mycobacterium bovis.

ACCESSION NUMBER: 1997:51182 CAPLUS
DOCUMENT NUMBER: 126:79917
TITLE: Use of alkylene glycol monoalkyl ether in enhancing mycobactericidal activity of quaternary ammonium salt-containing compositions
INVENTOR(S): Arshad, Malik; Thomas, Isaac W.
PATENT ASSIGNEE(S): Stepan Company, USA
SOURCE: Brit. UK Pat. Appl., 26 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2298791	A1	19960918	GB 1995-5042	19950313
GB 2298791	B2	19990505		
DE 19508654	A1	19960919	DE 1995-19508654	19950313

PRIORITY APPLN. INFO.: DE 1995-19508654 A 19950313
OTHER SOURCE(S): MARPAT 126:79917

L8 ANSWER 46 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The present invention provides a heretofore unknown use for an aqueous reagent composition that serves as a universal rinse for performing and/or improving a variety of hematol. analyses on automated analyzers. The universal rinse reagent comprises a phosphate buffer to maintain the rinse solution pH at from about 7.0 to about 7.6; a nonhemolytic nonionic surfactant, such as a Pluronic; an alkali metal salt, such as NaCl; **antimicrobial** and anti-oxidant compds.; and has an osmolality of about 285 to 305 mOsmol/kg. The universal rinse reagent composition is highly suitable for use in the rinse phases or cycles of all types of blood cell anal. methods and processes performed on semi- and fully-automated systems, especially in electrooptical procedures and flow cytometry anal. The invention allows the replacement of multiple and specific rinse solns. with the disclosed universal rinse to obtain accurate and acceptable results, independent of the types of

blood cell analyses that are performed. The universal rinse is most particularly useful for automated systems having intricate hardware and a number of different input and output channels. The universal rinse composition serves to economize, streamline, and simplify the design and operation of such systems.

ACCESSION NUMBER: 1997:21012 CAPLUS
DOCUMENT NUMBER: 126:14655
TITLE: Universal rinse reagent composition for use in hematological analyses of whole blood samples
INVENTOR(S): Malin, Michael J.; Shapiro, Phyllis
PATENT ASSIGNEE(S): Bayer Corp., USA
SOURCE: Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 743356	A1	19961120	EP 1996-106953	19960503
EP 743356	B1	20021009		
R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
US 5888752	A	19990330	US 1995-442363	19950516
CA 2174306	AA	19961117	CA 1996-2174306	19960416
IL 117922	A1	19991222	IL 1996-117922	19960416
AT 225841	E	20021015	AT 1996-106953	19960503
ES 2184818	T3	20030416	ES 1996-106953	19960503
AU 9652188	A1	19961128	AU 1996-52188	19960509
AU 724334	B2	20000914		

PRIORITY APPLN. INFO.: US 1995-442363 A 19950516

L8 ANSWER 47 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB A disinfectant or preservative composition particularly adapted for use in ophthalmic prepns. such as contact lens disinfecting, cleaning, cushioning, wetting, soaking and reconditioning solns. and addnl. in topical medications and tear substitutes, which uses a hydrophilic polymeric **antimicrobial** agent, namely NPX, poly[oxyethylene(dimethylimino) (ethylene dimethylimino)ethylene dichloride], with addnl. agents including EDTA and alkali salts thereof and a boric acid-borate buffer system. NPX exhibited bactericidal and fungicidal activities. A contact lens disinfecting solution comprised of NPX 0.001%, sodium chloride 0.78%, tetrasodium edetate 0.08%, boric acid 0.35%, sodium borate 0.02% and water was prepared

ACCESSION NUMBER: 1994:331100 CAPLUS
DOCUMENT NUMBER: 120:331100
TITLE: **Antimicrobial** agent for ophthalmic formulations
INVENTOR(S): Holly, Frank J.; Tonge, Stephen R.
PATENT ASSIGNEE(S): USA
SOURCE: U.S., 7 pp. Cont.-in-part of U.S. Ser. No. 432,171, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5300296	A	19940405	US 1992-891425	19920529
PRIORITY APPLN. INFO.:			US 1989-432171 B2	19891106

L8 ANSWER 48 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB An improved multi-purpose blood diluent for use with a gentle lysing agent and improved detergent reagent system are disclosed which are especially suitable for use in routine electronic enumeration and volumetric differentiation of blood cells. The preferred imidazole stabilizer used in the diluent reagent is found to be an excellent cell-stabilizing agent and buffer for maintaining cell morphol. during operation. A synergistic combination of a superior antimicrobial agent, the preferred Triadine-10, used in the diluent and the detergent reagents, not only prevents bacterial or fungal growth, but also helps to stabilize cells and to obtain distinct volumetric differentiation of certain leukocyte populations. The preferred Brij 35 in a balanced salt solution has proved to be an efficient and cost-effective detergent to ensure accurate results and trouble-free operation of the analyzers.

ACCESSION NUMBER: 1993:535041 CAPLUS
DOCUMENT NUMBER: 119:135041
TITLE: Diluent and detergent reagent system for whole-blood cell counting
INVENTOR(S): Wong, Show Chu
PATENT ASSIGNEE(S): Sequoia Turner Corp., USA
SOURCE: U.S., 7 pp. Cont. of U.S. Ser. No. 641,975, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5227304	A	19930713	US 1992-918162	19920721
PRIORITY APPLN. INFO.:			US 1991-641975	B1 19910116

L8 ANSWER 49 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The title topical formulations are effective for the treatment of skin diseases, such as ulcers and wounds. For example, a cream contained Na edetate 0.2, tocopherols 1.5, amikacin sulfate 5.0, glycine 0.1, cysteine-HCl 0,1, methylparaben 0.09, propylparaben 0.01, hydroxypropyl cellulose 2.5, sorbitan monopalmitate 1.43, polysorbate-80 0.57, and water to 100g. The cream was clin. tested.

ACCESSION NUMBER: 1993:261019 CAPLUS
DOCUMENT NUMBER: 118:261019
TITLE: Pharmaceutical compositions for topical use containing a chelating agent, tocopherol, and an **antimicrobial** agent
INVENTOR(S): Bertone, Evaristo
PATENT ASSIGNEE(S): Boniscontro e Gazzone S.r.l., Italy
SOURCE: Eur. Pat. Appl., 7 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 535446	A1	19930407	EP 1992-115818	19920916
EP 535446	B1	19981202		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
AT 173930	E	19981215	AT 1992-115818	19920916
PRIORITY APPLN. INFO.:			IT 1991-RM730 A	19910930

L8 ANSWER 50 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB Two new quaternary ammonium compds., decaversene and decamethoxine, were found to display **antimicrobial** activity against Candida albicans, Aspergillus niger, and Pseudomonas aeruginosa. The **antimicrobial** activity of these compds. was significantly

potentiated by the anion Trilon B.

ACCESSION NUMBER: 1993:556010 CAPLUS
DOCUMENT NUMBER: 119:156010
TITLE: New microbycides containing quaternary ammonium derivatives
AUTHOR(S): Vievski, A. N.
CORPORATE SOURCE: Vinnits. Med. Inst., Vinnitsa, Ukraine
SOURCE: Mikologiya i Fitopatologiya (1993), 27(2), 48-50
CODEN: MIFIB2; ISSN: 0026-3648
DOCUMENT TYPE: Journal
LANGUAGE: Russian

L8 ANSWER 51 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN
AB The title shampoo composition comprises a stable emulsion of (1) an **antimicrobial** agent, such as a fatty acid monoester of a polyhydroxy alc., (2) a chelating agent, such as EDTA, (3) a cleansing agent, such as sulfosuccinates, (4) a conditioner, such as quaternary ammonium salts, (5) a moisturizer, such as lactic acid, and (6) water 25-75%. The shampoos provide silkier feel and are useful for killing both bacteria and fungi.

ACCESSION NUMBER: 1993:154131 CAPLUS
DOCUMENT NUMBER: 118:154131
TITLE: Disinfecting shampoo composition for animals
INVENTOR(S): Andrews, Jeffrey F.; Kure, Jane T.
PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Co., USA
SOURCE: PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 9221320	A1	19921210	WO 1992-US4709		19920604
W: AU, CA, JP					
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE					
AU 9222349	A1	19930108	AU 1992-22349		19920604
AU 650564	B2	19940623			
EP 587797	A1	19940323	EP 1992-914066		19920604
EP 587797	B1	19950301			
R: DE, FR, GB, IT					
CA 2107993	C	20020528	CA 1992-2107993		19920604
PRIORITY APPLN. INFO.:			US 1991-712915	A	19910607
			WO 1992-US4709	A	19920604

L8 ANSWER 52 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN
AB A liquid cleaner containing pine oil, ≥1 chelating agent (especially EDTA tetra-Na salt), and a hydrotrope (especially Na xylenesulfonate) and having pH 8-12 shows good disinfectant activity against g-pos. and g-neg. organisms during cleaning of hard surfaces.

ACCESSION NUMBER: 1992:154263 CAPLUS
DOCUMENT NUMBER: 116:154263
TITLE: Broad spectrum **antimicrobial** system containing pine oil for hard surface cleaners
INVENTOR(S): Spaulding, Laura Ann; Mauriello, Diane; Wiese, Eugene
PATENT ASSIGNEE(S): Clorox Co., USA
SOURCE: Eur. Pat. Appl., 8 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

EP 467618	A1	19920122	EP 1991-306383	19910715
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
CA 2046996	AA	19920117	CA 1991-2046996	19910712
BR 9103010	A	19920428	BR 1991-3010	19910715
AU 9180489	A1	19920116	AU 1991-80489	19910716
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

PRIORITY APPLN. INFO.: US 1990-552729 A 19900716

L8 ANSWER 53 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB Milk progesterone [57-83-0] levels, as a diagnostic tool for cycle evaluation in cattle, were not affected by a phenolic vaginal douche with 4 oz of a composition containing O-phenylphenol [90-43-7] (2%), O-benzyl-p-chlorophenol [120-32-1] (4.5%), and tetra-Na EDTA [**64-02-8**] (0.7%). The effects of intrauterine administration of several **antimicrobials** were also detailed. Milk fat and protein were altered by the phenolic douche and the **antimicrobials.** Days to 1st breeding and conception were the shortest with intrauterine administration of 2% nolvasan [55-56-1] and longest with a bolus administration of sulfa drugs and urea [57-13-6] into the uterus.

ACCESSION NUMBER: 1985:590082 CAPLUS
DOCUMENT NUMBER: 103:190082
TITLE: Evaluation of phenolic compounds on milk progesterone in dairy cows
AUTHOR(S): Rakes, J. M.; Mashburn, S. A.; Peterson, H. P.; Stallcup, O. T.
CORPORATE SOURCE: Univ. Arkansas, Fayetteville, AR, 72701, USA
SOURCE: Congr. Proc. - Int. Congr. Anim. Reprod. Artif. Insemin., 10th (1984), Volume 3, Paper No. 345, 2 pp.. Univ. Ill.: Urbana-Champaign, Ill.
CODEN: 53WVAL
DOCUMENT TYPE: Conference
LANGUAGE: English

L8 ANSWER 54 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB Pyroligneous acid, alone or together with EDTA [60-00-4] or similar compds., may be used as a feed preservative. Thus, corn meal containing 40,000 Salmonella typhimurium spores/g and 50,000 Aspergillus flavus spores/g was stored at 26-28° for 1 wk after addition of preservatives. The resp. bacterial counts at the end of storage were 1000 and 15,000 when pyroligneous acid had been added at 250 g/ton, and 5000 and 22,000 when EtCO2H had been added.

ACCESSION NUMBER: 1981:567398 CAPLUS
DOCUMENT NUMBER: 95:167398
TITLE: **Antimicrobial** agent and its use for protecting animal feed
INVENTOR(S): Tribble, Talmadge B.; Rose, Gordon W.
PATENT ASSIGNEE(S): USA
SOURCE: Ger. Offen., 18 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3040728	A1	19810813	DE 1980-3040728	19801029
US 4308293	A	19811229	US 1980-118484	19800204
GB 2068232	A	19810812	GB 1980-31534	19800930
CA 1172502	A1	19840814	CA 1980-362389	19801015
FR 2474832	A1	19810807	FR 1980-23206	19801030
FR 2474832	B1	19851129		
JP 56109557	A2	19810831	JP 1980-152951	19801030
JP 59025587	B4	19840619		

PRIORITY APPLN. INFO.: US 1980-118484 A 19800204

L8 ANSWER 55 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB 1,3-Dimethylol-5,5-dimethylhydantoin (I) [6440-58-0] compns. containing a chelating agent are used for inhibiting microorganism growth in aqueous media such as metal working fluids and coolants. Thus, different coolants containing a mixture of 2500 ppm I and 500 ppm EDTA di-Na salt [139-33-3] or EDTA-tetra-Na salt [**64-02-8**] remained 105 days without bacteria or fungi growth, whereas coolants containing 1500 ppm I or 1500 ppm EDTA salt showed bacterial and fungal growth after 0.-28 or 0-35 days, resp., depending on the type of coolant.

ACCESSION NUMBER: 1980:17192 CAPLUS
DOCUMENT NUMBER: 92:17192
TITLE: **Antimicrobial** hydantoin derivative compositions
INVENTOR(S): Shull, Samuel E.; Bennett, Edward O.
PATENT ASSIGNEE(S): Glyco Chemicals, Inc., USA
SOURCE: U.S., 6 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4172140	A	19791023	US 1977-826265	19770819
EP 19670	A1	19801210	EP 1979-300919	19790523
EP 19670	B1	19830622		
R: DE, FR, GB, NL				
CA 1123702	A1	19820518	CA 1979-328468	19790528

PRIORITY APPLN. INFO.: US 1977-826265 A 19770819

L8 ANSWER 56 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB EDTA tri-Na salt (I) [150-38-9] had the greatest potentiating **antimicrobial** effect, and EDTA tetra-Na salt (II) [**64-02-8**] had the weakest **antimicrobial** effect, on cutting fluid preservatives. o-Phenylphenate containing 500 ppm I maintained its **antimicrobial** effect for 92 days, as compared to 23, 15, 80, and 54 days for no I, EDTA, EDTA di-Na salt [139-33-3], and II, resp.

ACCESSION NUMBER: 1979:587936 CAPLUS
DOCUMENT NUMBER: 91:187936
TITLE: The potentiating effects of different sodium salts of EDTA upon cutting fluid preservatives
AUTHOR(S): Izzat, I. N.; Bennett, E. O.
CORPORATE SOURCE: Dep. Biol., Univ. Houston, Houston, TX, 77004, USA
SOURCE: Developments in Industrial Microbiology Series (1979), Volume Date 1978, 20, 683-6
CODEN: DIMCAL; ISSN: 0070-4563
DOCUMENT TYPE: Journal
LANGUAGE: English

L8 ANSWER 57 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The potentiating effects of EDTA [60-00-4] and its disodium [139-33-3], trisodium [150-38-9], and tetrasodium [**64-02-8**] salts were studied on the **antimicrobial** activities of several cutting fluid preservatives. A ratio of 1 part preservative to 2-4 parts chelating agent produced marked increases in **antimicrobial** action.

ACCESSION NUMBER: 1980:462380 CAPLUS
DOCUMENT NUMBER: 93:62380
TITLE: Effect of varying concentrations of EDTA on the **antimicrobial** properties of cutting fluid preservatives
AUTHOR(S): Izzat, I. N.; Bennett, E. O.
CORPORATE SOURCE: Dep. Biol., Univ. Houston, Houston, TX, 77004, USA

SOURCE: Microbios (1979), 26(103), 37-44
CODEN: MCBIA7; ISSN: 0026-2633
DOCUMENT TYPE: Journal
LANGUAGE: English

L8 ANSWER 58 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The germicidal cleaning compns. contain o-benzyl-4-chlorophenol (I) [120-32-1], Na 2-ethylhexyl sulfate (II) [126-92-1], a glycol solvent, and N(CH2CO2Na)3 [5064-31-3] or EDTA tetra-Na salt (III) [64-02-8]. Thus, a cleaning composition contained I 0.15, II 4.5, III (38%) 12.5, hexylene glycol [107-41-5] 1, dodecylbenzenesulfonic acid 0.3, iso-PrOH 2.5, NaOH 0.0126, perfume 0.08, and water .apprx.79%.

ACCESSION NUMBER: 1979:56753 CAPLUS
DOCUMENT NUMBER: 90:56753
TITLE: **Antimicrobial** bathroom cleaning compositions containing o-benzyl-4-chlorophenol
INVENTOR(S): Schwalley, Lawrence L.; Ferm, Donald J.
PATENT ASSIGNEE(S): United States Borax and Chemical Corp., USA
SOURCE: U.S., 3 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4124520	A	19781107	US 1977-807774	19770620
CA 1087063	A1	19801007	CA 1978-297557	19780223
GB 1576920	A	19801015	GB 1978-18949	19780511
DE 2825168	A1	19790111	DE 1978-2825168	19780608
JP 54008721	A2	19790123	JP 1978-74064	19780619
JP 60004876	B4	19850207		
FR 2395035	A2	19790119	FR 1978-18390	19780620
FR 2395035	B2	19850712		

PRIORITY APPLN. INFO.: US 1977-807774 A 19770620

L8 ANSWER 59 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB Buildup of microorganisms in water-based cutting fluids was prevented by compns. containing a triazine, an alkyl tin oxide, and an EDTA salt. E.g., hexahydro-1,3,5-triethyl-s-triazine [7779-27-3] 90 g and bis(tributyl)tin oxide [56-35-9] 9 g were mixed to a clear solution and 900 mL of a 40% syrup of tetrasodium EDTA [64-02-8] (360 g) added and the mixture homogenized ultrasonically. When this suspension was added (0.1 volume%) to synthetic cutting fluid no microorganisms were detected after 8 weeks; in a control there were 6 million bacteria and 50 fungi per mL after the same period.

ACCESSION NUMBER: 1977:570335 CAPLUS
DOCUMENT NUMBER: 87:170335
TITLE: **Antimicrobial** compositions and methods
INVENTOR(S): Rossmore, Harold William
PATENT ASSIGNEE(S): USA
SOURCE: Brit., 5 pp.
CODEN: BRXXAA
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1476862	A	19770616	GB 1975-3750	19750128

PRIORITY APPLN. INFO.: US 1974-523360 A 19741113

L8 ANSWER 60 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The bactericidal effect of substituted phenyl acetates is considerably increased by the addition of Ca complexing compds. with a complexing capability of >230 mg. CaCO3 per g. Suitable Ca complexing compds. are 1-hydroxy-1,1-hexanediphosphonic acid, 1-amino-1,1-ethanediphosphonic acid, EDTA., nitrilotriacetic acid, etc. Suitable substituted phenyl acetates are: 2,4-dichloro-, 3,5-dimethyl-4-chloro-, 2,4,-5-trichloro-, etc. Tests with Staphylococcus aureus cultures showed that the bactericidal effect could be increased by 2.5 to 10 times by addition of the complexing compound Similar results were obtained with Pseudomonas aeruginosa, Candida albicans, and Epidermophyton kaufmann-wolf cultures.

ACCESSION NUMBER: 1969:99635 CAPLUS
DOCUMENT NUMBER: 70:99635
TITLE: Substituted phenyl acetates and calcium complexing compounds in **antimicrobial** agents
INVENTOR(S): Noesler, Heinz G.; Schnegelberger, Harald; Bellinger, Horst
PATENT ASSIGNEE(S): Henkel und Cie. G.m.b.H.
SOURCE: Ger., 6 pp.
CODEN: GWXXAW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1288748		19690206	DE	19670630

L8 ANSWER 61 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB The prepns. contain, as the active ingredient, a synergistically active combination of an **antimicrobial** substituted-phenyl alkyl carbonate and a complexing agent. The preferred complexing agents are polycarboxylic, hydroxy carboxylic, amino carboxylic, and phosphonic acids. Thus, an antiseptic shampoo contains Na lauryl sulfate 40, coconut fatty acid diethanolamide 6, 2,4-Cl2C6H3-OCO2Et 2, tetra-Na ethylenediaminetetraacetate 2, and H2O 50 weight %.

ACCESSION NUMBER: 1969:99606 CAPLUS
DOCUMENT NUMBER: 70:99606
TITLE: **Antimicrobial** compositions
INVENTOR(S): Noesler, Heinz G.; Schnegelberger, Harald; Bellinger, Horst
PATENT ASSIGNEE(S): Henkel und Cie. G.m.b.H.
SOURCE: Ger., 7 pp.
CODEN: GWXXAW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1287256		19690116	DE	19670623

L8 ANSWER 62 OF 62 CAPLUS COPYRIGHT 2005 ACS on STN

AB A synergistic combination of a substituted C2-5 nitro alc. (I) and a complexing compound (II) was effective in proportions of 1:1000 to 50:1 as an **antimicrobial** component of handwashing pastes, fine washing compns., shampoos, and disinfectant compns. for apparatus, intruments, and granary and barn use. Used as I were EtC(CH2OH)2NO2, (HOCH2)3CNO2, MeCBr(NO2)CH2OH, BrC(CH2OH)2NO2, BrCH(NO2)CH(OH)CCl3, PhCH(OH)CBr(NO2)CH2OH, p-O2NC6H4CH(OH)CBr(NO2)-CH2OH, 0-ClC6H4CH(OH)CBr(NO2)CH2OH, EtCBr(NO2)CH2OH, and MeCBr(NO2)CH(OH)CH3. Used as II were Na salts of 1-hydroxyhexane-1,1-diphosphonic acid, α-aminoethane-α,α-diphosphonic acid, α-aminobenzyl-α,α-diphosphonic acid,

di-ethylenetriaminepentaacetic acid, 1,2-cyclohexanediaminetetra-acetic acid, ethylenediaminetetraacetic acid, and nitrilotriacetic acid.

ACCESSION NUMBER: 1969:80835 CAPLUS
DOCUMENT NUMBER: 70:80835
TITLE: **Antimicrobial** agents
INVENTOR(S): Noesler, Heinz G.; Wessendorf, Richard; Bellinger, Horst
PATENT ASSIGNEE(S): Henkel und Cie., G.m.b.H.
SOURCE: Ger., 6 pp.
CODEN: GWXXAW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1284039		19681128	DE	19670427
FR 1580196			FR	
GB 1215062			GB	

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.22	184.70

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-45.26	-45.26

STN INTERNATIONAL LOGOFF AT 14:58:39 ON 10 MAR 2005

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	("tetrasodiumEDTA").PN.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/03/10 13:30
L2	1184	"tetrasodium EDTA"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/10 13:31
L3	43465	antiseptic or bactericidal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/10 13:31
L4	116	L2 and L3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/10 14:50
L5	2	"antimicrobial EDTA"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/10 14:22
L6	17	"4464398"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/10 14:23
L7	28	"4258056"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/10 15:03
L8	193	Kite.IN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/10 15:04
L9	3	Kite-Peter.IN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/10 15:06
L10	739	Hatton.IN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/10 15:06
L11	3	Hatton-David.IN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/03/10 15:06